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U. S. Department of Agriculture



Walter Haskell Hinton

Ball Red Begonia

The only pure red on the list. Quite large flowered and strictly compact habit. Clear red flowers contrast attractively with its heavy green foliage. See page 2.

BETTER
Flower Seeds for Florists

CATALOG NO. 54 • JANUARY, 1947

Geo. J. Ball
INC.
WEST CHICAGO
ILLINOIS

BALL Better WOOD BANDS

again available in quantity!

A better buy because—

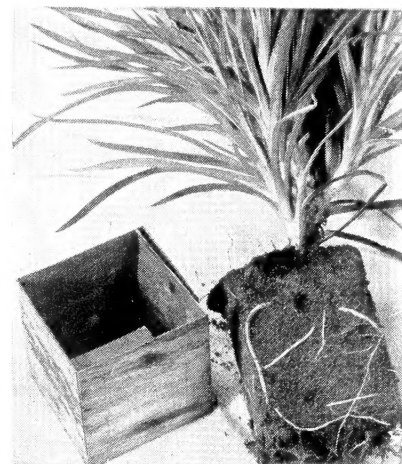
① Aeration and Drainage better—Our own trials, and reports of experienced growers everywhere, favor wood over waterproof paper for all-important drainage and aeration.

② Long Life—Ball Bands are preservative-treated. Our treated Bands last many months in moist soil. Only select grades of veneer used.

③ Ready to use—Bands reach you double stapled; simply open and plant.

④ Flats! Short of flats these days? Ball Better Bands reach you packed in preservative-treated greenhouse flats (2 flats per unit of 2000 bands). These flats would cost you plenty delivered and assembled. Figure this when comparing prices.

**BALL BETTER
PLANT
BANDS**



Banded field-grown Carnation plants save costly benching time.



Picturing Buddleia plant in 6-inch band that has been banded up a year. Many other nursery plants can be handled in this manner with these very practical bands. Can be moved as necessary if those with bottoms are used. Nurserymen and others find these bands ideal for wintering plants in frames. Available with or without bottoms in sizes 4 x 4, 6 x 6 and 6 x 9. Write for prices.

Use BALL BETTER Bands for:

- ① Carnation Rooted Cuttings—leave on till benching ($2\frac{1}{2} \times 2\frac{1}{2}$ or $2\frac{1}{2} \times 3$).
- ② Spring vegetable sales—Tomatoes, Cabbage, Peppers, Lettuce, in sizes 2x2 up to 4x4.
- ③ Mum cuttings—insurance against transplanting checks ($2\frac{1}{2} \times 2\frac{1}{2}$ or $2\frac{1}{2} \times 3$).
- ④ Petunias, Asters, Snaps, Marigolds, etc. in place of $2\frac{1}{4}$ " pots.
- ⑤ Perennial plants—utilize long lasting quality of Ball Bands. Also for carrying over in frames.
- ⑥ Nursery Stock. No transplanting losses. Large sizes available for this purpose with or without bottoms, write for prices on these.

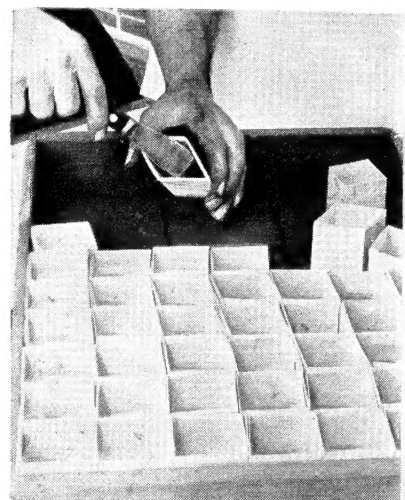
PRICES ON OUR BALL BETTER PLANT BANDS

Prices given are F.O.B. our factory in Chicago and are subject to change without notice. Be sure to specify which way to ship, Express or Freight.

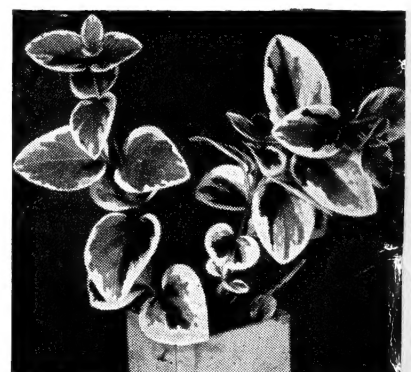
Size	Price per 2000 unit	The following sizes are packed in units of 1000.	Price per 1000 unit
$1\frac{3}{4} \times 2\frac{1}{2}$	\$8.60	Size	
2 x $2\frac{1}{2}$	9.60	3x4.....	\$7.00
2 x 3.....	10.20	4x3.....	6.90
$2\frac{1}{2} \times 2\frac{1}{2}$	10.50	4x4.....	8.20
$2\frac{1}{2} \times 3$	10.70		
3 x 3.....	12.20		

We are now furnishing these bands in units of 2000 each packed in 2 treated greenhouse flats. Please order in units of 2000 only. Smaller quantities in corrugated boxes at 5% more than above prices.

QUANTITY DISCOUNTS ON BALL BANDS: 2,000 to 10,000, net; 12,000 to 24,000, 5%; 26,000 to 50,000, $7\frac{1}{2}$ %; 50,000 to 100,000, 10%. Write for discounts on larger quantities.



Ball Better Bands come completely assembled; easy to open as cut shows.



Bird Fibre Plant Bands

	$1\frac{3}{4} \times 2\frac{1}{2}$	$2 \times 2\frac{1}{2}$	2x3	$2\frac{1}{2} \times 3$	3x3	3x4
Vita-Band A	\$4.25	\$4.70	\$5.05	\$5.20	\$6.30	\$7.35
Growtex	2.90	3.25	3.75	4.15	4.55	5.90

Sold in units of 1000 only. F.O.B. East Walpole, Mass. or West Chicago, Ill.

NEPONSET FLOWER POTS

	2"	$2\frac{1}{4}$ "	$2\frac{1}{2}$ "	3"	$3\frac{1}{2}$ "	4"	5"	6"
Green	\$8.75	\$7.30	\$8.75	\$10.60	\$14.05	\$16.55	\$28.85	\$29.30
Red	6.00	4.55	6.10	6.85	9.15	10.40	13.30	16.90

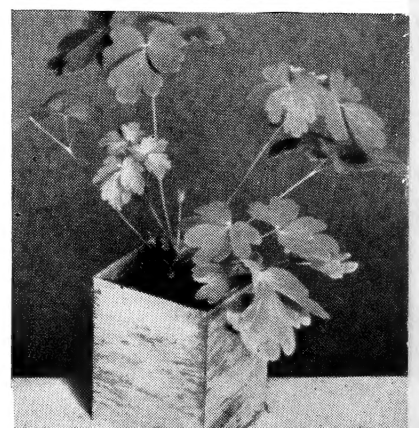
Sold in units of 1000 only. All shipments f.o.b. East Walpole, Mass. or West Chicago, Ill.

Geo. J. Ball
INC
WEST CHICAGO,
ILLINOIS, U. S. A.

TOM THUMB FLATS

No. 1 for 1 doz. $1\frac{3}{4}$ " Bands	
500	\$16.75
1000	\$31.00
No. 2 for 1 doz. 2" Bands	
500	\$18.60
1000	\$34.30

All prices are net f.o.b. factory, East Walpole, Mass. or West Chicago, Ill. Sold in units of 100 only. Shipping weights per 1000; No. 1, 200 lb.; No. 2, 220 lb.



1947

NOT for many years has our sense of political responsibility been cheered as it was by the recent elections. Evidently Americans have "had enuf." Until results of the election can become effective, politicians and labor leaders will continue to keep our national economy in a tense muddle, but business will go merrily on. Financial forecasters seem agreed that it will continue doing so the coming year, but with slowly declining prices. This should leave us feeling free to grow all the good stock we can. But price uncertainties should hold back unnecessary future obligations.

Our business is exclusively with the critical florist grower. This means we do all possible to supply the best and most profitable strains available in better "Flower Seeds for Florists." It doesn't mean that we are always 100% in this business of course, but we do try to reach that goal.

Geo. J. Ball.



Photograph by Fabian Bachrach

AIR MAIL DELIVERY!

WITH 5c per ounce air mail effective last October 1st and more frequent service, air transportation is becoming a definite advantage in the shipment of seed. Effective January 1st, 1947 we will ship your FLOWER seed order back by AIR MAIL if:

1. you send your order to us by air mail;
2. the seeds total less than 8 ozs. (flower seeds only); and
3. if, in our judgement air mail will save time in getting your seed to you.

We of course pay this air mail postage. If your order totals over 8 ozs. or includes vegetable seed, and you are in a hurry we suggest you send sufficient extra remittance and specify AIR SHIPMENT; your express agent can give you air express rates from West Chicago to you. Air delivery is particularly important to our Eastern, Southern, Western and Canadian customers. We will, of course, continue to pay ALL transportation on seed orders in any quantity sent by rail in U.S. and Canada.

SEE PAGE 48 FOR BUSINESS TERMS

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These Are Outstanding

Much thought, based upon the particular needs of the average grower, has gone into making up this list of specialty items. Every variety on this page is outstanding in its class. Better give at least one or two a trial.

Three Winning Begonias

Ball Red

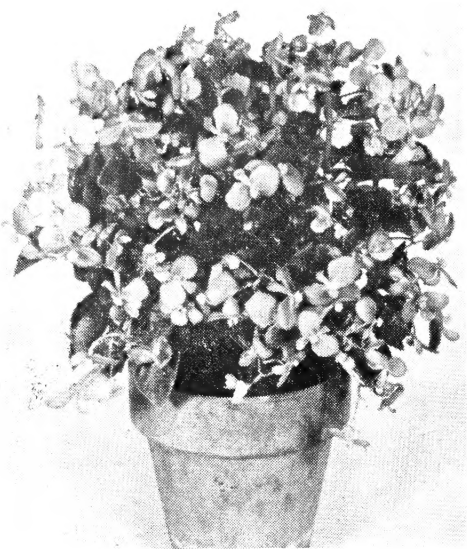
(Pictured on front cover.) This new Begonia is the result of 4 years selection in our own greenhouses. Fairly dwarf in growth and of uniform perfectly rounded habit, the plants are literally covered with medium large flowers of the brightest scarlet red imaginable. Tr. pkt., \$1.00; 1/4 oz., \$2.75; 1/2 oz., \$5.00.

[Ball Deep Rose

If you like Adeline, you'll like this one even better. Identical in habit to Adeline from which it was selected, but under winter and spring conditions, the color is a deep carmine red which gradually fades to a bright rose pink with the coming of warmer weather. Tr. pkt., \$1.00; 1/4 oz., \$2.75; 1/2 oz., \$5.00.

Ball White

White Begonias are increasing in popularity each year and we believe this fine variety has had much to do with this trend. Originated by us 4 years ago, seed sales are increasing annually. Freely produces medium sized pure white flowers on compact plants. Tr. pkt., \$1.00; 1/4 oz., \$2.50; 1/2 oz., \$4.50.



Begonia Ball Deep Rose



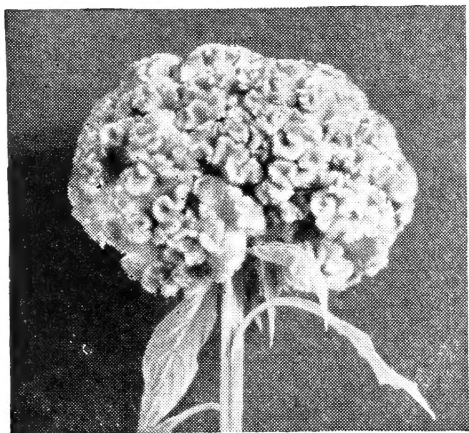
Petunia Peach Red

Petunia—Peach Red

Picture a Petunia of rich deep salmon-rose and you have the new Dwarf Hybrid "Peach Red." Our trials this past summer showed it to be of even, fairly dwarf, vigorous growth, very free flowering and uniform in color. It's a much brighter and more appealing color than Salmon Supreme and should prove a ready seller. The photo at left was taken in the center of our outdoor trial of this variety. Tr. pkt., 35c; 1/6 oz., 75c; 1/4 oz., \$2.75; 1 oz., \$10.00.

Celosia—Gilbert's Rose Beauty

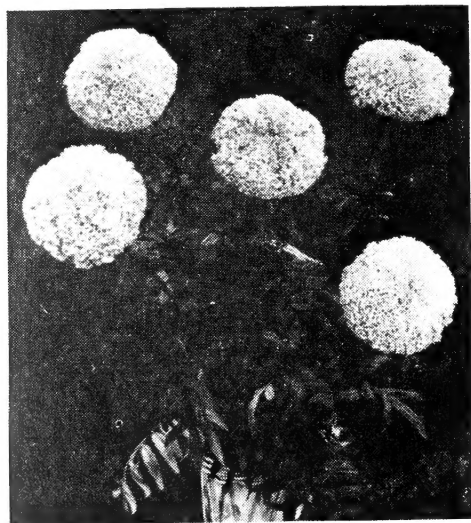
Growers who have liked Gilbert's Maple Gold Celosia will be well pleased with this new Gilbert introduction. Stem length is about 3 ft. and is non-branching unless pinched when less than 12 in. high. The ruffled, ball-shaped heads, about 6 in. across, are a pleasing rose-pink underlaid with silver and contrast attractively with the bright green foliage. Comes about 90% true to type and makes an excellent cut flower in the fresh state, or may be dried after being in water a few days. Originator's Tr. pkt. (300 seeds), 50c.



Celosia Gilbert's Rose Beauty

Marigold—Ball Giant Orange

Last year we flowered a bed of this for Memorial Day from a Feb. 1st sowing grown single stemmed and disbudded, and we can truthfully say that we have never grown a better Marigold than this. Our planting was 100% fully double flowered, about 80% being of the Fistulosa or Giant African type with the balance being similar to the Sunset Giants in flower formation. Size ranged from 3 1/2 to 5 in. across and color was a uniform deep orange slightly darker than All Double Orange. Stem length averaged better than 3 ft. on a ground bed and every flower was salable. Growers will find this a first class item to plant in those empty spots that show up during the winter. Tr. pkt., 35c; 1/4 oz., 65c; 1 oz., \$2.00.



Marigold Ball Giant Orange

Aster—Single Base Branching Mixture

This new strain of wilt-resistant single Asters is widely grown by California cut-flower growers because of its upright growth and base-branching habit. A large flowered choice mixture. Tr. pkt., 30c; 1/4 oz., 45c; 1 oz., \$1.50; 4 oz., \$5.00.

PETUNIAS

(About 200,000 seeds per oz.)

No other plant seems to have the universally popular appeal for bedding that Petunias possess. This is due to their brilliant colors and effectiveness in mass plantings, plus the comparative ease with which they flourish under a wide variation of soils and climates. In addition, large numbers are used in combination boxes or sold as finished pot plants. Important points for the florist to remember are that a cool temperature and moderate use of water are essential if soft, lanky plants are to be avoided. Most varieties this year promise to show less of those variations which were an unavoidable part of wartime labor shortages.

HERE'S THAT POPULAR DOUBLE!

*CANADIAN ALL-DOUBLE

Growers this past season have reported wonderful results with this fine all-double Petunia. Its excellent germination and rich coloring were points about which we received many favorable comments. This distinctly superior strain produces 100% double flowers on dwarf, compact plants and is highly effective for pots or bedding. We offer this strain in mixture only, composed of rose, pink, white, mauve and salmon shades. No limit on number of packets that may be ordered. $\frac{1}{2}$ Tr. pkt. (about 400 seeds), \$1.80; Tr. pkt. (about 800 seeds), \$3.00; 5 Tr. pkts. for \$14.00.



***All-Double America.** The popularity of this Canadian produced strain is rapidly increasing. Freely produces medium sized carnation-flowered blooms of a pleasing deep rose color. If sown early and pinched hard a couple of times, very nice 4 in. pot plants can be had for that important spring business. In addition we find it quite valuable for bedding, our outdoor trials this past season flowering heavily until frost. $\frac{1}{2}$ Tr. pkt., \$1.50; Tr. pkt., \$2.50; $\frac{1}{64}$ oz., \$7.50; $\frac{1}{32}$ oz., \$13.60.

All-Double Glorious Mixture. This new strain is produced in the United States by a skilled Petunia breeder, and contains both tall and dwarf types in rose, white, salmon, orchid and purple shades. Our trials show about 90% large, fully double types; balance semi-doubles. Originator's packets. 500 seeds, \$2.50; 1000 seeds, \$4.00.

All-Double Colossal Shades of Rose (Our own packets; originator's seed). $\frac{1}{2}$ Tr. pkt. (about 400 seeds), \$1.80; Tr. Pkt. (about 800 seeds), \$3.00.

CALIFORNIA GIANT PETUNIAS

When properly grown—cool and near the glass—the Dwarf Giants make exceptionally nice pot plants in 3's or 4's. In flower they sell on sight.

*BALL DWARF GIANT No. 1

We consider this the finest uniformly dwarf strain available. Produces around 80% extra large, open throated flowers ranging in color from velvety crimson to delicate pink; and is at its very best in a 3 or 4 inch pot. However, since dwarfness can be had only at some cost in vigor, this strain is not recommended for bedding. $\frac{1}{2}$ Tr. pkt., 75c; Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

***Ball Dwarf Giant No. 2.** Ramona Strain. More vigorous in growth than our No. 1 strain, therefore better suited for outdoor bedding work. Produces about 65% large California Giant flowers in a wide range of choice colors. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

California Giants Mixture No. 5. A very complete and attractive mixture of colors in the tall Giant class. Free flowering and suitable for outdoor bedding. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

California Giants—Supreme Florists' Strain. Fine bedding mixture in soft shades of pink, rose, and salmon. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00.

***Giant Rainbow Strain.** Outstanding for its unusual range of brilliant colors including coral rose and coppery-scarlet shades which we have found in no other mixture. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00.



Showing the difference between Ball Dwarf Giant No. 1 (on the right) and the taller No. 2 strain. Both are valuable for use in combinations, while No. 1 makes fine individual pot plants.

Separate Color Varieties

***Ball Lavender Giant.** A pleasing soft lavender with darker veins; dwarf growth. $\frac{1}{2}$ Tr. pkt., 75c; Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.40; $\frac{1}{32}$ oz., \$4.40.

***Copper Red, Dark.** Attractive deep coppery crimson.

***German Empress.** Bluish white, dark purple throat.

***Glamour.** A beautiful rich salmon rose, shading lighter toward the throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

Rheingold. Large clear white with yellow throat.

Robin Hood. Deep crimson; throat almost black.

***Salmon Beauty.** (Marilyn.) Bright pastel salmon pink.

Silvery Rose. Silvery rose pink with lighter throat.

PRICES On Each Above Separate Color Giant Varieties
Except Where Noted: Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

The GRANDIFLORAS

There are three distinct classes of Grandifloras: the Ruffled-edged; the Tall Fringed; and the Dwarf Fringed. Like all Petunias, the most vigorous are the tall ones. The Dwarf Fringed make ideal pot plants, but for bedding most of them do not hold up in poor dry soil.

Ruffled Grandifloras

***Elk's Pride Dwarf.** Our strain of this always-popular rich velvety purple variety is admirably suited for bedding or porch boxes. Uniform in growth and a ready seller. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50.

***White Queen.** Extra large, wavy pure white flowers and dwarf compact growth make this a truly outstanding Petunia. Fine for bedding or pot plant use. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.25.

***Snowstorm.** Fine large flowered white. Similar to White Queen. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.25.

***White Cloud.** Not quite as large flowered as the previous two varieties, but very free flowering. Tr. pkts. only, 50c. Recommend White Queen.

***Giant Flaming Velvet.** Large ruffled mahogany red flowers and fairly compact growth make this an attractive variety. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75.

Burgundy. Dark Burgundy wine red with large white throat. Well ruffled. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75.

Dwarf Pink Glory. Glowing carmine rose with white throat. About 60% true large flowered. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.00.

Giant Steel Blue. Light bluish white with dark veins. Varies considerably. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00.

***Ruffled Grandiflora Mixture.** Our own formula mixture of the finest varieties in the Ruffled class. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75; $\frac{1}{16}$ oz., \$3.00.

GRANDIFLORAS—Continued

Tall Fringed Grandifloras

- Dainty Lady.** A light cream. The nearest approach to a yellow Petunia. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50.
- Dazzler.** Shades from medium to deep rose with some plants approaching scarlet in color. Fairly well fringed and very showy. $\frac{1}{2}$ Tr. pkt., 75c; Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.20; $\frac{1}{32}$ oz., \$4.00.
- *Golden Jubilee.** Heavily fringed, bright carmine rose with golden throat. An excellent variety for pot plants. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.65; $\frac{1}{32}$ oz., \$3.00.
- Miranda.** Frilled deep carmine scarlet with darker veined throat. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50.
- Pink Triumph.** Choice clear rose pink, golden throated. Fine bedder. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.
- *Royal Purple.** Velvety purple with attractively fringed petals. A fine variety. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.
- *Theodosia Improved.** (Josephine.) Extra large, heavily fringed flowers of brilliant glowing rose with contrasting golden yellow throat. An excellent, vigorous growing Petunia for bedding. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.
- *White Beauty.** A strong grower with flowers of finely fringed pure white. A worth-while bedding variety. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.85.
- Fluffy Ruffles.** An attractive fringed mixture suitable for bedding work. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{8}$ oz., \$4.75.
- *Formula Mixture.** A high-class mixture made up of the best named varieties in the Fringed class. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.65; $\frac{1}{16}$ oz., \$3.00.



All-Double America is a carnation flowered deep rose that we find useful as a pot plant or for bedding. (See page 3.)

The Dwarf Erfurts

(Dwarf Fringed)



The Dwarf Erfurts, while too restricted in growth for average bedding conditions, make ideal pot plants as shown.

- *Ball Fringed Violet Blue.** A typical Dwarf Erfurt in its compact growth and fringed flowers. A rich Elk's Pride purple color. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.00.
- *Setting Sun.** Heavily fringed, beautiful deep rose. One of the most popular Dwarf Erfurts. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.
- *Lace Veil.** Almost identical to Setting Sun except for its pure white flowers. Limit, one tr. pkt., 50c.
- Gottfried Michaelis.** Rich amaranth red; should be used moderately. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.
- Ball Silver Lilac.** A clear light lilac. At its best under spring greenhouse conditions. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.
- Gaiety.** Attractive, irregular rose pink and white markings. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.
- *Dwarf Erfurt Mixture.** Our own well balanced formula mixture of the above varieties. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75.

DWARF HYBRIDA PETUNIAS

Most widely used of all classes. They are especially suited to use by flat growers. As bedders and for combinations they are unexcelled.

Ball Ten Best

These fine varieties constitute three-fourths of our demand for Dwarf Hybrid Petunias.

***Celestial Rose Improved.** Deeper rose coloring and slightly larger flowers than the original Celestial Rose. Unexcelled for pot plant work. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Bright Eyes (New).** Uniformly dwarf and even in growth. The plants produce masses of fairly small rose pink flowers with white throats. A definite improvement over the old Rosy Morn and one of the most promising new Petunias to date. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.10; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$6.00.

***Heavenly Blue.** An old favorite, and rightly so. Still the best silvery blue in this class. Resembles Celestial Rose in habit of growth. Tr. pkt., 35c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.00.

***Snow Queen.** Our finest pure white bedding Petunia. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.25; 1 oz., \$3.75.

***Salmon Supreme.** A distinct color in bedding Petunias with clear salmon pink flowers that make an unusually attractive display. An excellent bedding variety. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.20; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.75.

***Fair Lady.** A fine large flowered silvery pink; lighter and softer in tone than Celestial Rose. Ideally suited for pot plant use and a fine color under spring greenhouse conditions. Tr. pkt., 35c; $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.75; 1 oz., \$13.50.

***King Henry.** Deep velvety crimson or mahogany red. Extra dwarf and compact growth makes this a choice pot plant variety. For bedding we prefer Velvet Ball. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.25; $\frac{1}{16}$ oz., \$2.35; $\frac{1}{8}$ oz., \$4.25; $\frac{1}{4}$ oz., \$8.00.

***Velvet Ball.** Almost identical to King Henry in color but more spreading in growth and better adapted for bedding use. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.35; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.50; $\frac{1}{4}$ oz., \$8.25.

***Admiral.** Our finest blue Petunia. Large attractively ruffled flowers with little violet shading—almost clear blue. Ideal for either pots or bedding. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.75; $\frac{1}{8}$ oz., \$5.00; $\frac{1}{4}$ oz., \$9.00.

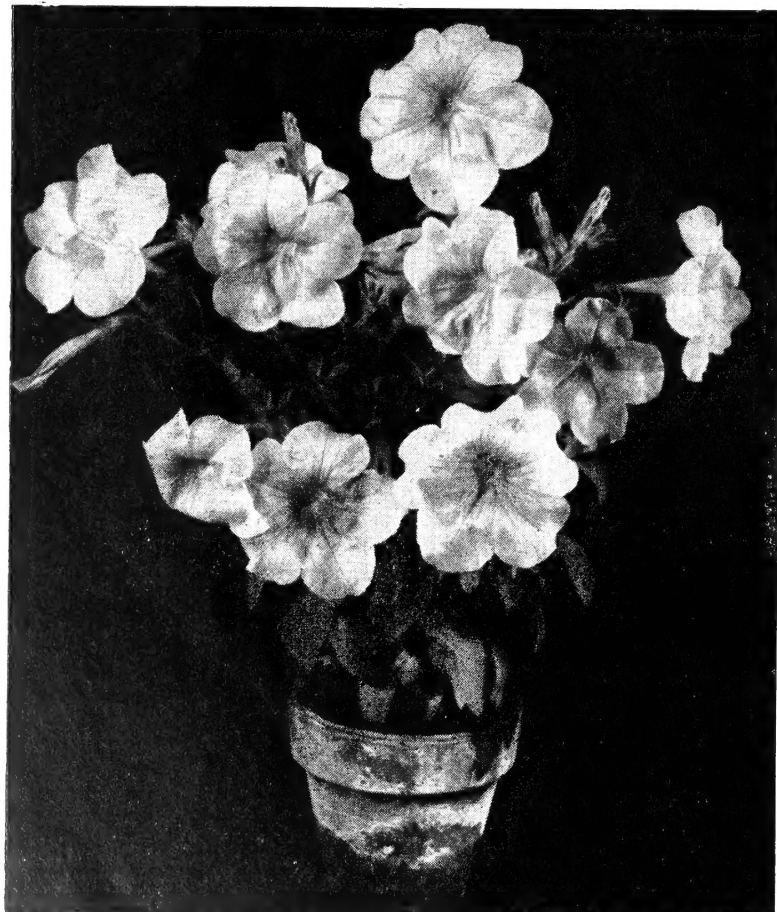
***Topaz Queen.** A remarkable color combination of glowing carmine rose with distinct orange-scarlet overtone. Medium large flowered and striking whether used for bedding or in pots. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Ten Best Formula Mixture.** We mix this ourselves, blending the ten best varieties in proportion to their popularity. Fine for spring flat sales. Tr. pkt., 35c; $\frac{1}{16}$ oz., 90c; $\frac{1}{8}$ oz., \$1.65; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

Dwarf Hybridas continued on next page

Dwarf Hybrida Ruffled Type

***Little Giants Mixed (New).** Small ruffled California Giant type flowers about 2 in. across are freely produced on low growing uniform plants, and should prove ideal for combination work as well as bedding. Colors range from Amaranth red through rose and pink to white. The greater vigor of this strain is an improvement over the earlier Ruffled Dwarf Hybridas such as Martha Washington listed below. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.40; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50.



There's a real customer appeal in the soft silvery rose of Fair Lady that's hard to resist.

Martha Washington. Ruffled blush pink flowers with attractively veined throat. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.15; $\frac{1}{16}$ oz., \$2.00.

Dwarf Hybridas—Continued

Alderman. Fairly uniform growth with medium small lavender-blue flowers. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

Blue Bird. Similar to Alderman; growth a bit more vigorous. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

***Blue Bedder.** Extra vigorous growth with medium large flowers having less lavender shading and more blue than the above two. A showy variety for bedding. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

***Celestial Rose.** (Regular strain.) Extra fine, bright rose with an ideal bushy habit. Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.25; 1 oz., \$4.50.

***Cheerful.** (All America Winner, 1944). Fairly large clear salmon pink flowers with deeper veining toward throat. Dwarf and compact in growth. Tr. pkt., 50c; ⅛ oz., \$1.65; ¼ oz., \$3.00; 1 oz., \$9.00.

Cream Star. Bluntly star shaped creamy white. Tr. pkt., 50c; ⅛ oz., \$1.15; ¼ oz., \$2.00.

***English Violet.** A pleasing shade of rosy violet-mauve, with the same vigorous type of growth as Celestial Rose. Uniformly true to color and fine bedding habit. Tr. pkt., 50c; ⅛ oz., \$1.15; ¼ oz., \$2.00.

***Glow.** A flashing carmine scarlet; makes a brilliant display for mass plantings. Tr. pkt., 35c; ⅙ oz., \$1.25; ⅛ oz., \$2.00; ¼ oz., \$3.75; 1 oz., \$13.50.

***Igloo.** Makes a perfectly rounded mound of medium sized pure white flowers with faint yellowing in the throat. Ideal for borders or pot plants. Tr. pkt., 50c; ⅛ oz., \$1.15; ¼ oz., \$2.00; 1 oz., \$6.00.

Norma. Lavender with white star; dwarf and compact. Tr. pkt., 35c; ¼ oz., \$1.25.

***Peach Red.** (New). A free flowering deep salmon-rose; uniform in habit and of medium dwarf, vigorous growth. The most outstanding Petunia in our trials this past summer. Tr. pkt., 35c; ⅙ oz., 75c; ¼ oz., \$2.75; 1 oz., \$10.00.

***Rose of Heaven.** Well known standard rose pink for bedding. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

***Rose Queen Improved.** A rich deep rose about the shade of Topaz Queen; uniformly dwarf and compact, but not weak. Tr. pkt., 50c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

Rosy Morn. Popular rose pink with large white throat. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.

Snow White. Strong growing plants with creamy white flowers freely produced. Uniform and true to type. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

***Twinkles.** Very showy, medium rose pink with white star. A choice compact variety for pots or bedding. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

***White Perfection.** An excellent compact pure white. A little dwarf for mass bedding, but fine for borders or pots. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

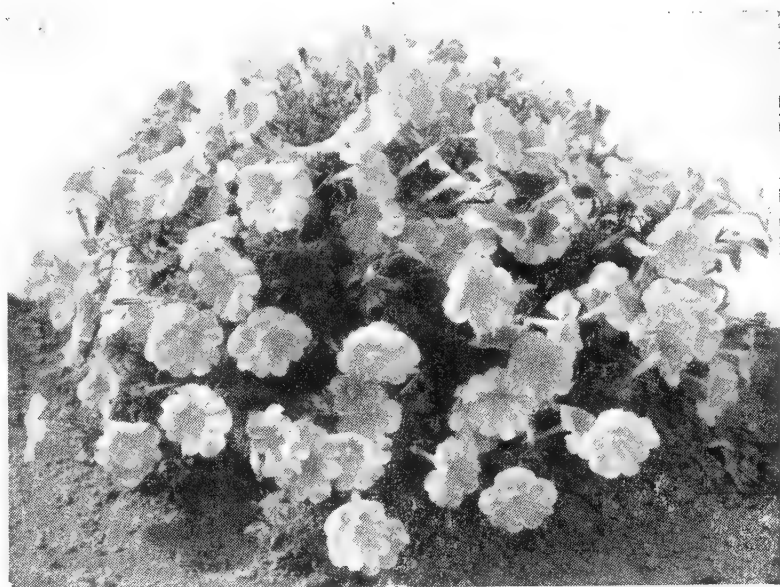
Violacea. Fairly dwarf deep purple. Tr. pkt., 35c; ¼ oz., \$1.25.

Violet Blue. Gem type, deep violet purple. Growth rather weak for bedding, but fine for pot plants or combination boxes. Tr. pkt., 35c; ⅛ oz., 70c; ¼ oz., \$1.30; 1 oz., \$4.75.

Windmillers Sunrise. A fine compact deep rose. Originator's packets only. Tr. pkt., 75c.

Dwarf Hybrida Starred Mixture. Because of frequent requests we are offering this mixture of starred types such as Twinkles, Norma, etc. Well balanced assortment of colors. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

***Dwarf Hybrida Formula Mixture.** A formula blend of the above varieties; not a field grown mixture. Complete and attractive. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.



Celestial Rose Imp. is one of our finest dwarf bedding varieties.

Tall Hybridas

This class resembles the Dwarf Hybridas, but are taller and stronger in growth. Well suited to bedding where conditions are unfavorable.

General Dodds. An amaranth or deep rose. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

***Howards Star Imp.** Medium tall velvety crimson with large white star in each flower. Our strain comes quite true to the starred type. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.25.

Mars. Rich velvety red, similar to Balcony Black Prince. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.25.

Rose King Improved. Fairly deep, clear rose pink with light golden throat. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

Topaz Rose. Brilliant deep carmine rose; about same color as Topaz Queen. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

White. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Exquisite Mixture. Formula mixture; finer large-flowered varieties predominating. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

The Balconies

The growth of Balconies is strong and tends to lengthen, making them suitable for window boxes or combinations. Also for bedding where unfavorable conditions require strong growth.

***Black Prince.** Rich velvety crimson-red with true Balcony habit. Comes practically 100% true to color. Tr. pkt., 35c; ⅙ oz., 60c; ⅛ oz., \$1.00; ¼ oz., \$1.85; 1 oz., \$6.75.

***Blue.** A medium violet-blue. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65.

Cornflower Blue. Attractive mid-blue. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65.

White **Crimson** **Rose** **Mixture**

PRICES on each above four varieties: Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.35; 1 oz., \$4.75.

Diener's Varieties

We supply originator's packets only on the following varieties:

No. 2—Ruffled Monster Flesh-Pink. Deep center. Tr. pkt., 50c.

No. 8—Ruffled Monsters Mixed. Tr. pkt., 50c; ⅙ oz., \$2.50.

No. 11—Blue. Semi-dwarf violet blue. Tr. pkt., 25c; ⅙ oz., \$1.50.

No. 22—Rose Color. Tr. pkt., 25c.

No. 45—Santa Barbara. Clear flame rose. Tr. pkt., 50c; ⅙ oz., \$2.50.

No. 47—Jumbo Mixture. A mixture of Giants. Tr. pkt., \$1.00.

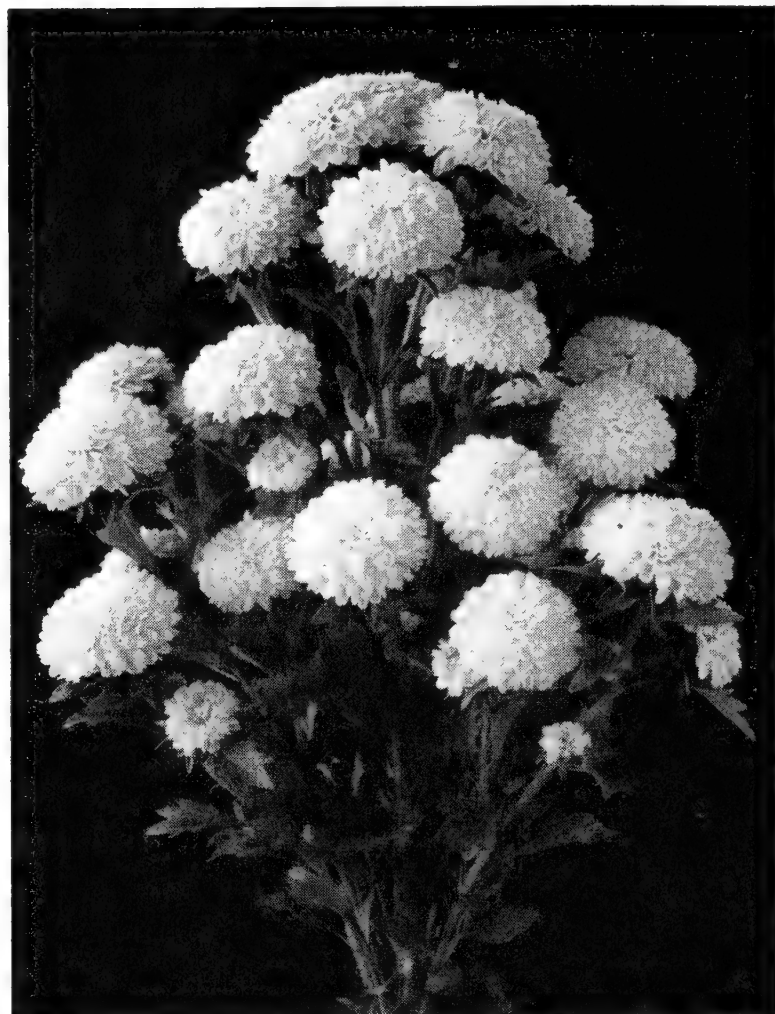
ASTERS

Rot Resistant
(12,000 seeds per oz.)

The strains listed by us as "resistant" were practically 100% so when released by their originators. This work definitely strengthens them, but when they meet the ever varying conditions of soil, culture and seasons, results vary accordingly. Our experience clearly points to conditions that encourage rot in any Asters. That too many transplanting checks are a cause is demonstrated by the fact that direct sowings—no transplanting—usually come thru clean. Also we definitely know that with us they should not be grown in the same soil two successive seasons, especially if some rot developed. Our practice is to sow thinly in a cool airy greenhouse in steamed soil a month before they can be planted out, and avoid checks as far as possible in transplanting.

The BALL Twelve Best

- ***Queen of the Market Azure Blue.** One of the most popular colors in this early flowering class. A clear light lavender blue. Aug. 1 to 5.
- ***Queen of the Market White.** The earliest worthwhile cut flower white. Good branching habit and especially valuable for indoor growing. Aug. 1 to 5.
- ***Royal Azure Blue.** An excellent clear light or azure blue that is one of the most used and saleable colors. A fine commercial cut-flower variety. Sept. 5 to 10.
- ***Royal Shell Pink.** Extra large incurved flowers borne on strong stems of medium length. A clear shade of pastel or shell pink closely resembling the old favorite Semple Pink. Not quite as resistant as some types but an excellent variety. Sept. 1 to 5.
- ***Ball White Early.** Our own reselected strain of this fine variety. Flowers fully double, very few showing centers even when completely open. One of the most resistant varieties and an excellent commercial sort. Sept. 5 to 10.
- ***Ball White Late.** Long stemmed and large full petalled flowers, closely following our Ball White Early in flowering season. Sept. 10 to 15. Typically American Branching in flower type and habit. Probably the best mid-season white variety.
- ***Ball Deep Rose.** Extra long stemmed, large incurved, bright deep rose. This strain has been reselected for more fully double flowers. Continues to be the most popular variety on our list, being well adapted for shipping and handling. Aug. 25 to Sept. 5.
- ***Ball Deep Purple.** Identical in all respects with our Ball Deep Rose except in color which is a bright deep purple. A better market variety than Royal Purple; brighter flowers and longer stems. Aug. 25 to Sept. 5.
- ***Branching Azure Blue.** Same color as Royal Azure Blue. Its typical American Branching habit makes it ideal to follow that variety, being a week or two later in flowering. Sept. 15 to 20.



Showing a typical Imbricated Pompon Aster. While not will resistant, this type is quite popular for pot plants where soil can be sterilized. The whole plant can be cut for bunching too.

- ***Early Giant Light Blue.** Extra large and early flowering, with full petalled flowers of the shaggy California Giant type. A very attractive, clear azure or light blue with strong, medium length stems. A fine large-flowered variety for localities with early frost dates. Sept. 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.
- ***Early Giant Rose Marie.** An excellent large flowered, bright deep rose. One of the most valuable varieties in this Early Giant class. Sept. 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.
- ***Early Beauty Silvery Rose.** An excellent large flowered light rose or phlox pink, deepening as the flower matures. Long stemmed and a strong grower. Mid-Sept. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.
- ***12 Best Mixture.** Our own high-class formula mixture made up by ourselves of the above varieties in proportion to their commercial value. Choice and well balanced.

PRICES on all the above "12 Best" Rot-resistant Aster varieties except as otherwise noted are as follows:
Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.

SPECIAL OFFER. For growers who are interested in trying all the 12 Best varieties separately rather than in mixture, we offer a tr. pkt. of each for \$3.40.

BALL Resistant Asters—Continued

TILFORD'S RESISTANT ASTERS

The following four Asters have been developed by Dr. Paul Tilford of Ohio State University in cooperation with the Ohio Florists Association. While we have had no chance to observe trial plantings of these varieties under our own conditions, we do know that a lot of work has been done with them by skilled plant scientists under Dr. Tilford's careful supervision. All of the following are of the Royal type and resistance is reported as being unusually high.

Royal Purple **Royal Light Pink**
Royal White **Royal Dark Rose**

The above are available in Original Trade Packets only at \$1.50 per packet.

Princess or Anemone

These types have crested or cushioned anemone centers, forming fairly hard flowers suited for shipping. Our trials show most of them to be rather uncertain in wilt-resistance.

***Princess Golden Sheaf.** Large flowered with outer petals a creamy white shading toward a deeper yellow cushion. A popular commercial variety.

***Princess Barbara (New).** Very attractive orchid.

***Princess Marsha.** CROP FAILURE.

***Princess Anne.** Light rose pink with cream cushion.

***Princess Bonnie.** Silvery-rose with golden center deepening as flower matures.

Princess Mixture. Formula blend of above varieties.

Prices on the Above Five Varieties and Mixture: Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

PRICES on all following varieties except as otherwise noted;
 Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.

QUEEN OF THE MARKET. Popular early flowering class but not so resistant to rot as the stronger growing, later classes.

The two finest varieties will be found in our 12 Best list.

Dark Blue. Rather deep rich shade of purple.

***Deep Rose.** Of the popular Ball Deep Rose color.

Flesh Pink. Shell pink; deepening as it matures.

Mid Blue. Between the popular Azure and Dark Blue.

Crimson. Plant moderately of this heavy color.

THE ROYALS. Second early, closely following Queen of the Markets. Excellent size, stems and color in this profitable class. See also our 12 Best list.

Deep Rose. Slightly taller than other Royals.

Purple. Bright purple; prefer Ball Deep Purple.

White. A good white, but Ball White Early is preferred.

AMERICAN BRANCHING. The standard mid-season class, flowering with us around mid-Sept.

***Ball Phlox Pink.** A fine long-stemmed, light rose-pink, deepening as flowers mature.

***Deep Rose.** Long stems and fine large flowers.

Heart of France. Distinctive scarlet-crimson color.

***Purple.** Rich violet-purple. Long stemmed.

***Rosalie.** Fine, completely double flowers of deep rich rose.

Simple Pink. Standard shell pink variety.

***White.** Excellent cut-flower white; true branching type.

EARLY BEAUTIES. (Formerly called American Beauties.) A very fine, slightly incurved, long stemmed class that always flowers in time to escape the average first frosts of the middle states.

***Azure Fairy.** A fine long-stemmed and large flowered fairly deep azure blue.

Crimson. Color similar to Heart of France.

Deep Rose. A fine deep rose.

Purple. Long stemmed, deep purple.

Shell Pink. (September Beauty.) Delicate light pink.

***White.** Long stemmed and very choice.

SHAGGY TYPES. This includes the Early California Giants and the Cregos. Both have attractively interlaced petals producing a rather informal or fluffy effect.

Early Giant Peach Blossom. Same as Early Giant Light Blue in 12 Best list, but a pleasing light pink. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

California Giant Dark Purple. Highly resistant rich purple. Sept. 25 to Oct. 1. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

***Crego Azure Blue.** Fine light blue; large flowers and long stems. Sept. 10 to 15.

***Crego Blue Flame.** Resistant, deep bright blue. Sept. 5 to 10.

***Crego Deep Rose.** Fine large-flowered variety. Sept. 10 to 15.

***Crego Orchid.** Attractive orchid lavender. Sept. 5 to 10.

Crego Peach Blossom. Light rose deepening as flowers open. Sept. 10 to 15.

Crego Shell Pink. Light clear pink. Sept. 10 to 15.

***Crego White.** Excellent pure white. Sept. 5 to 10.

STANDARD RESISTANT MIXTURES

Queen of the Market Mixture.

Crego Mixture.

American Branching Mixture.

Royal Mixture.

Early Beauty Mixture.

King Mixture. (Non-resistant.)

All Double Varieties Mixed. Covers a wide range of types and colors for growers who sell large quantities of mixed Aster plants. No singles.

PRICES on all above mixtures. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 oz., \$6.00.

***Single Base-Branching Mixture.** Because of its distinctly upright growth and base-branching habit, this strain has won wide favor among California cut-flower growers. A large flowered choice mixture. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 oz., \$5.00.

Single Rainbow Mixture. (Special florists' strain.) An attractive mixture of large flowered (3 to 5 in.) single blooms. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 oz., \$5.00.

NON-RESISTANT Varieties

KING OR NEEDLE TYPE. Attractively quilled petals give these flowers an outstanding appearance. Largely used for long distance shipping because of their durability. Mid-Sept.

***Rose.** A fine deep rose pink.

Peachblossom. CROP FAILURE.

Violet. A rich and striking color.

Crimson. A deep color; rather heavy.

White. Popular commercial color.

PRICES on each above King varieties: Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.

California Giant Mixed. Choice blend of large, fully double "shaggy petalled" flowers. Long stemmed. Late Sept. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Giant California Sunshine Mixed. Attractive assortment of colors in this large flowered anemone type. Has small center cushion with long ray petals. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Super Giant Los Angeles. Extra large, soft shell pink. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

Imbricated Pompons

Small rounded flowers produced on upright growing, compact plants about 15 in. tall. Excellent for pot plants or bunching as cut flowers.

Violet **Light Blue with white center.**

Scarlet

Rose **Carmine** **White**

Prices on Above Six Varieties: Tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$2.80.

Mixture of all colors. Tr. pkt., 30c; ¼ oz., 70c; 1 oz., \$2.10.

BETTER ZINNIAS

(2500 to 4000 seeds per oz.)

If Zinnias for cutting are grown under the protection of cloth or glass, they become longer stemmed and finer than is possible in the open and there's money in growing them this way. Both the Dahlia Flowered Class and the Lilliputs are unexcelled for this purpose. While they come best when sown direct where they are to flower, most home gardeners prefer to buy started plants. You'll do your customers a real service and realize a better profit for yourself by offering them sturdy plants grown in Ball Better Plant Bands instead of the usual spindly transplants.

DAHLIA FLOWERED

The generally preferred class; flowers are deeper with central petals in-curved.



There is a richness of color in the large blooms of Dahlia Flowered Zinnias that never fails to attract.

- ***Canary Bird.** A bright, clear canary yellow.
- ***Crimson Monarch.** Large flowered deep crimson red.
- ***Dream.** An attractive medium orchid lavender.
- ***Eldorado.** Unusually attractive salmon-apricot.
- ***Exquisite.** Fine medium rose pink with deeper center.
- ***Golden Dawn.** Clear golden yellow. A good variety.
- Golden State.** A rich orange-yellow; varies some.
- Illumination.** A deep rose; darker than Exquisite.
- Meteor.** Rich deep amaranth red. A striking color.
- Old Rose.** Old or dusty rose with buff shading.
- ***Oriole.** Fine orange with darker center.
- Polar Bear.** Large creamy white.
- Purple Prince.** Deep purple; large-flowered.

- ***Scarlet Flame.** The finest bright scarlet. Very showy.

PRICES on all Dahlia Flowered varieties, each:
Tr. pkt., 25c; ¼ oz., 45c; ½ oz., 75c; 1 oz., \$1.25;
4 oz., \$4.00; 1 lb., \$14.50.

SPECIAL OFFER: We furnish a collection consisting of 1 tr. pkt. each of these 14 varieties for \$2.75. We can also furnish a collection consisting of a tr. pkt. each of any 10 varieties (your choice) for \$2.00.

Three Fine Dahlia Flowered Mixtures

***GOLD MEDAL MIXTURE.** We believe this is the finest complete mixture of large flowered Zinnias available. This is not a field grown mixture but is carefully blended by formula from first class cut flower colors and varieties in direct proportion to their commercial value.

***INDIAN SUMMER MIXTURE.** An unusually attractive giant flowered mixture. Bright reds, yellows and oranges predominate to make up this fine assortment of "Indian Summer" colors.

***PASTEL SHADES MIXTURE.** A formula mixture composed of the lighter colors in the large flowered class.

PRICES On Above Mixtures, Each: Tr. pkt., 25c; ¼ oz., 45c; ½ oz., 75c; 1 oz., \$1.25; 4 oz., \$4.00; 1 lb., \$14.50.

GIANT MAMMOTH

Flowers are some larger in diameter but not so deep and full as are the Dahlia Flowered.

Brightness. Bright, clear rose pink.

Cherry Queen. (Cerise Queen) Brilliant orange-cerise or cherry-rose.

Daffodil Improved. Clear canary yellow.

Golden Queen. Bright golden yellow.

Lavender Queen. Medium rosy lavender.

***Miss Wilmott.** Pleasing, soft pastel pink.

***Orange King.** A bright orange with scarlet shading.

Pink Profusion. Soft pink shades.

***Purity.** The best white in large flowered Zinnias.

***Rose Queen.** Deep rose; a striking color.

Scarlet Queen. Intense bright scarlet.

Violet Queen. Deep violet-purple.

Mixture. A balanced formula mixture of all Giant Mammoth varieties.

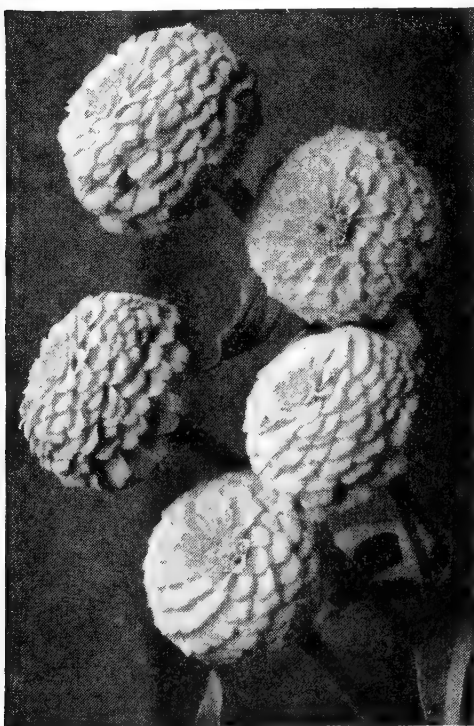
PRICES On Above Varieties and Mixture, Each:

Tr. pkt., 25c; ¼ oz., 40c; ½ oz., 65c; 1 oz., \$1.10; 4 oz., \$3.60; 1 lb., \$13.50.

SPECIAL OFFER. We offer one trade packet each of the above 12 varieties for \$2.50.

LILLIPUT or POMPON

Small, nicely rounded pompon type flowers that make excellent cutting material when the stems are drawn some by cloth or glass protection. Attractive for bedding in the open where they attain a height of 12 to 14 in. under middle states conditions.



Zinnia Lilliput

Black Ruby. Deep velvety maroon.

***Canary Gem**

Crimson Gem

Golden Gem

***Lilac Gem**

***Pink Gem**

Purple Gem

***Rosebud.** Fine deep rose.

***Salmon Gem**

***Scarlet Gem**

Valencia. Burnt-orange.

White Gem.

Formula Mixture. All colors.

PRICES on all above Lilliput varieties and mixture: Each: Tr. pkt., 15c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.00; 4 oz., \$3.20; 1 lb., \$10.00.

Special Offer. Tr. pkt., of each of the 12 Lilliput varieties for \$1.50.



Zinnia Haageana Double Hybrids

FANTASY TYPE

The fairly large flowers have informally curled and twisted petals which produce an attractive novelty effect.

***Star Dust.** A bright deep golden yellow.

***Wildfire.** Dazzling scarlet; a strikingly brilliant color.

Mixture. Formula mixture of all colors in this class.

PRICES on above Fantasy varieties and mixture, each: Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.10.

PUMILA TYPE

This class is midway between the Giants and Lilliputs in size. Nice for cutting or bedding.

Canary Yellow

Salmon Rose

Pinkie. A pleasing soft pink; fairly long stems.

Golden Orange

Fireball (Scarlet)

Snowball (White)

Mixture of all colors.

PRICES on above varieties and mixture, each: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

NOVELTY VARIETIES

Under this heading are grouped what we have found to be the best of the various odd-flowered and odd-colored types. Not all are equally true to type, but they do add interest and novelty to any planting, and growers of bedding plants should not overlook them.

Gracillima. (Red Riding Hood) Freely produces large numbers of small bright crimson flowers. Fine for bedding. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Haageana Double Hybrids. Especially valuable for bedding. Extra compact and literally covered with small mahogany flowers charmingly variegated gold and orange. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Scabious-Flowered. Fairly tall with some cut-flower value. An Anemone-flowered type with crested center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Gaillardia-Flowered or Navajo. Attractive two-tone combinations of rose, bronze, yellow and orange. Medium sized flowers. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

Cupid Mixture. Dwarf, extra small flowered type valuable for borders and rock gardens. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Linearis. Compact (6 to 8 in.) early flowering with single bright orange flowers. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Pastel Tints. (Super Crown O'Gold) A mixture of two-tone pastel colors with base of each petal colored a buff or yellow shade. Quite large flowered and a good cut flower. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

MARIGOLDS

(10,000 seeds per oz.)

The modern Marigolds of today include some of the finest examples of the plant breeder's art; they are truly florists' flowers. In their various forms and habits, they adapt themselves to cutting, pot plants, especially for combinations, and the Dwarf French type are showy for bedding. For any purpose their rich, warm coloring is ever appealing. *Nearly all classes are readily flowered indoors in April and May from a January or February sowing.* Most popular of the Giant African strains for cutting is the "All-Double." In growing any Marigolds under glass they must not be checked especially thru over-watering or low temperature. When this happens, they come to a stand-still forcing them into buds without sufficient growth.

BALL FIVE BEST

The following five varieties are the most popular cut flower kinds on our list and under average conditions we believe they represent the most profitable sorts to grow for this purpose.

- ***Ball Giant Orange.** Similar in type to All Double Orange but a definite improvement in flower size and deeper orange color. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00.
- ***All Double Orange.** This belongs to the Fistulosa or large flowered, solid quilled-petal type. Produces nearly 100% double flowers, being preferred to Prince of Orange on this account. An excellent, long-stemmed cut flower strain.
- ***All Double Lemon.** Identical to the above strain, but a clear lemon yellow.
- ***Gold Improved.** The popular carnation flowered bright orange with odorless foliage. Excellent for greenhouse forcing.
- ***Yellow Supreme.** Similar to Gold Improved but with flowers a rich lemon yellow. Odorless foliage.

Five Best Mixture. Our own carefully compounded formula mixture of the above varieties balanced according to their commercial value.

PRICES on above except as noted, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.

ODORLESS MARIGOLDS

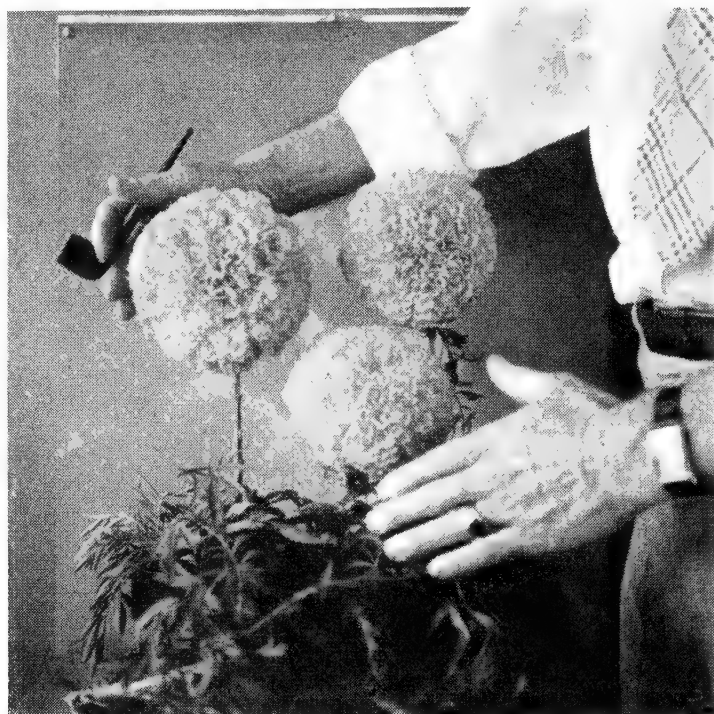
For those who dislike the pungent odor of Marigold foliage these varieties will be found valuable.

***Gold Improved.** Described under "Ball 5 Best."

***Yellow Supreme.** Described under "Ball 5 Best."

Crown of Gold. Small golden yellow crested flowers with row of guard petals. Odorless foliage, but a rather weak grower. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.25.

Odorless-Carnation Flowered Mixture. Ranges in color from deep orange to light yellow. All are of the popular Carnation-flowered type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00.



Marigold—Ball Giant Orange.

Other Cut Flower Varieties

- ***All Double Mixture.** A mixture of the two All Doubles listed at left, with some intermediate shades. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.
- Prince of Orange, Imp.** Bright orange of true quilled-petalled Fistulosa type. Produces 60 to 70% fully double, balance semi- and single. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.
- Lemon Queen Improved.** Same as above but bright lemon yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.
- Golden Emblem.** Same type as above two. A rich golden color midway between them. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.
- ***Guinea Gold.** A carnation flowered golden orange, long-stemmed. Freely produces loosely petalled flowers, 3 inches in diameter. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.
- ***Sunset Giants.** An extra large Carnation flowered strain. Long stemmed and the largest flowered variety we know of. Ranges from lemon to deep orange and is around 65 to 75% true to type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.
- Orange Sunset.** A bright orange selection from Sunset Giants. A first class variety. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

MISSION GIANTS. Under our outside conditions this outstanding new type Marigold produces almost perfect ball shaped, chrysanthemum-like blooms about 3 inches in diameter. Exceptionally vigorous and free branching in growth.

Goldsmith. A very attractive bright golden orange in this new class. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Yellowstone. Same as above but a clear rich yellow. A very pleasing color. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Mission Giant Mixed. A well balanced mixture in this new type; ranges from deep orange to light yellow. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.70.

WINTER FLOWERING. This class is of value for winter flowering from a fall sowing and will not flower during summer months.

Australian Tree. Golden yellow crest with mahogany guard petals. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

Lieb's Brown and Gold. Similar to above. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Lieb's Winter Sunshine. CROP FAILURE.

Winter Harmony. Bright orange crest with reddish guard petals. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

DWARF BEDDING MARIGOLDS

(9,000 seeds per oz.)

This group embraces many colorful and useful types including attractive singles and solid doubles as well as the increasingly popular anemone flowered varieties. While all are fine for spring flat sales, combination work or bedding, the following four are of particular value for these purposes.

OUR FOUR BEST

***Spry.** Extra dwarf and free flowering. Medium small anemone type flowers with golden crest and contrasting dark red guard petals. Exceptionally attractive.

***Ball Dwarf Harmony.** The medium small anemone type flowers of this fine dwarf variety present a striking contrast in bright orange and velvety maroon.

***Butterball.** A very choice fairly dwarf anemone-flowered variety. Crest and guard petals a light golden or butter yellow faintly tipped with maroon.

***Sunkist.** Uniformly dwarf and compact with solid, deep golden orange anemone type flowers about an inch in diameter.

4 Best Dwarf Mixed. Our own carefully balanced mixture of the above varieties.

PRICES on above four varieties and mixture: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.



Whether grown in small pots or plant bands, Dwarf Marigolds make useful material for spring combination boxes.

Other Fine Bedding Varieties

***Gold Crest.** Similar to Butterball, listed at left, except for slightly darker golden yellow flowers. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

***Melody.** A solid clear golden orange anemone flowered type that improves Golden Harmony. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

***Harmony.** Attractive scabious or anemone type flowers with orange crest and maroon guard petals. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00.

Golden Harmony. Very similar to Harmony in flower type and habit but a solid bright golden yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

Harmony Hybrids. A mixture of colors in the dwarf double type. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00.

Limelight. Pale yellow Mum-like flowers, 2 in. across; 15 to 20 in. high. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Monarch Mixed. A bright mixture of orange, yellow and mahogany colors in this fully double rounded flower class. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c; 4 oz., \$2.90.

Royal Scot. (All Double) Showy, fully double flowers striped gold and mahogany. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

***Yellow Pygmy.** Excellent, very free flowering dwarf Marigold, 6 to 8 in. Double lemon yellow and practically 100% true. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

Robert Beist. Dwarf double, deep rich mahogany-red. Nice. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Scarlet Glow. Bright bronzy red, double flowers 1½ to 2 inches across are borne on dwarf plants. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

***Dwarf French Double Mixed.** An extremely gay and colorful mixture of dwarf double sorts. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00; 1 lb., \$10.00.

***Firecross.** Dwarf single. An attractive light orange with red center. Tr. pkt., 15c; 1 oz., 65c; 4 oz., \$2.00.

Legion of Honor. Very similar to Firecross, but lighter in color. Tr. pkt., 15c; 1 oz., 65c; 4 oz., \$2.00.

Gnome. (Little Giant Improved.) A uniformly dwarf, bushy, Mexican type. Freely produces small single bright orange flowers. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

***Flash.** Single mahogany flowers with golden yellow margins are freely produced on medium dwarf plants. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$1.80.



Marigold, Mission Giant.

"All the Best"

FORCING VARIETIES

FOR GROWING OUTDOORS. We find the forcing or early class excellent for this purpose, especially if the strong growing kinds are used. Not only are they earlier flowering than most of the Summer class but the colors are much more complete and more uniform. However, the original or resistant strains should be used for out-door work where rust prevails for the forcing kinds have less resistance. For out-door work in our latitude, we find that a February 1st sowing grown as cool as possible in 3 to 4 in. pots and planted out in May under cloth will produce excellent flowers by late June.

PLEASE NOTE

½ tr. pkts. of any variety priced at \$1.00 are supplied at 60c; ½ pkts. of \$1.50 varieties, \$1.00. No ½ pkts. on \$2.00 or \$3.00 varieties **EXCEPT WHERE NOTED.** While we obviously have no control over the amount of seed in originator's packets, all of our own contain at least 2,000 seeds.

THOSE HYBRID SNAPS

Hybrid Snaps are the result of crossing pure-line strains of two distinct varieties, and possess, among other good points, the inherent quality known as "hybrid vigor" not found in any open-pollinated variety. Because of their hybrid nature, it is very important that no seed be saved from the flowering crop as it will result only in a disappointing mixture. Since only the originators of these varieties have knowledge of the parents used in producing them, seed from other sources is almost sure to prove unsatisfactory; therefore we offer only originator's packets of hybrid varieties. Because the production of hybrid seed calls for much hand labor in cross-pollinating, the supply is often short of the demand. We offer the following varieties under the conditions noted:

The following two are sold out until June 1st.

***Christmas Cheer.** ½ Tr. pkt., \$1.75; Tr. pkt., \$3.00.
Substituting Cheviot Maid No. 33.

***Maryland Pink.** ½ Tr. pkt., \$1.75; Tr. pkt., \$3.00.
Substituting Mary Ellen.

The following three are available now.

***Better Times.** American Beauty rose. Tr. pkt., \$2.00.

***Dorcas Jane.** (Pictured above). Fine, long-stemmed, soft silvery rose. ½ Tr. pkt., \$1.50; Tr. pkt., \$2.50.

***Mary Ellen.** Popular light pink. Tr. pkt., \$2.00.

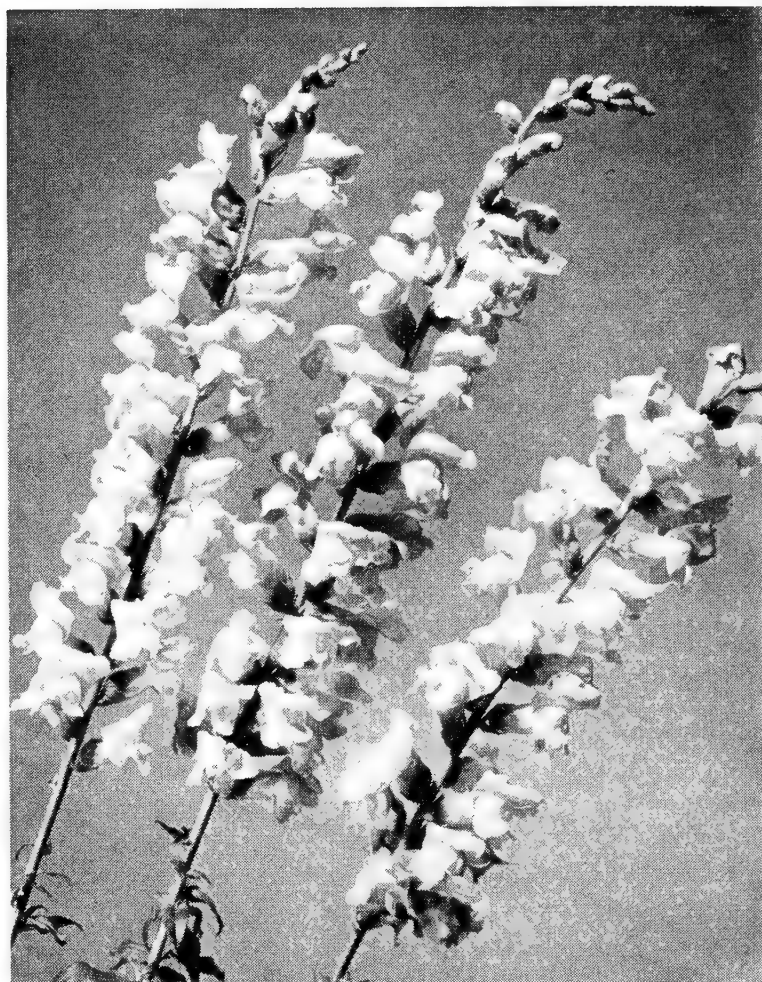
OUR TWELVE BEST

(For Spring Flowering)

Careful attention has been given to making up this list and we believe that it contains the finest available varieties for spring and early summer blooming. While some of the newer varieties may be superior, we prefer not to include them here until widespread use under varying conditions has proved them.

***Junglewood White.** Extra long stemmed pure white: clean and shatterproof. ½ Tr. pkt., \$1.25; Tr. pkt., \$2.00.

***Delworth's Supreme.** The finest deep rose Cheviot Maid selection we have seen. Tr. pkt., \$1.50.



One of the finest of the season's new Snapdragons is the hybrid, *Dorcas Jane*. It's a beautiful, soft silvery rose

***White Wonder Improved (Ball).** Our own long-stemmed strain of this choice pure white. Tr. pkt., \$1.50.

***Cheviot Maid No. 33 (Yoder).** Beautiful medium rose pink: clean growing and productive. Tr. pkt., \$1.50.

***Peggy Schumann.** Clean growing, extra fine creamy rose. Tr. pkt., \$2.00.

***St. Louis Early Pink.** Clear light pink. Long spikes and fine for Spring. Tr. pkt., \$1.50.

***Marie Louise.** Beautiful light shell pink: uniformly even growth. Tr. pkt., \$2.00.

***Klondike Supreme.** Rich deep yellow. A vigorous growing, large flowered variety. Tr. pkt., \$1.00.

***New Cincinnati.** Medium rose pink. Long spikes and long stiff stems. Tr. pkt., \$1.00.

***Afterglow.** Still one of the finest orange bronze varieties for Spring. Tr. pkt., \$1.00.

***Glorious.** Strikingly brilliant. A more intense Afterglow color. Tr. pkt., \$1.50.

***Ball Lavender.** Long stemmed and strong growing with long, heavy spikes of pleasing orchid lavender. Tr. pkt., \$1.50.

***Ball Forcing Mixture.** Carefully blended from our 12 Best varieties. Tr. pkt., \$1.00.

Florists' Snaps

GENERAL LIST (Except Hybrids and 12 Best)

	Tr. Pkt.		Tr. Pkt.
* America. Very attractive rose and orange bi-color.....	\$1.50	* Lady Dorothy. Extra fine, reddish orange.....	\$3.00
Appleblossom. Clear medium pink.....	1.00	La France. Light pink.....	1.50
Ball Dwarf White. Nice dwarf white for pots.....	1.00	* Lucky Strike. Popular spring white.....	1.00
Ball Early Pink. Early flowering rose pink.....	1.00	Maiden's Blush Imp. Pale pink. ½ Tr. pkt., 85c.....	1.50
Ball Gold. The brightest yellow Snap to date.....	1.50	* Margaret. Ivory white. Sold out until May.....	2.00
* Ball Supreme Red. A rich, velvety crimson red.....	1.50	Marion. Nice white for spring.....	1.50
Bertha Baur. Prefer Ball Lavender.....	1.50	* Miss Wooster. Spring flowering, golden orange.....	1.00
Bronze Christmas Cheer. Golden bronze and apricot.....	2.00	* Peace (Ball). An excellent pure white for spring; the clearest white we know of.....	1.50
Carol Jean. Light, creamy yellow.....	2.00	* Rose Queen. Standard deep rose for spring.....	1.00
Ceylon Court Dark. Standard yellow.....	1.00	Schaffroth's Pink. Long stemmed pink: color varies....	2.00
* Cheviot Maid Reselected (Ball). Our own improved strain of this popular rose pink.....	1.00	* Schaffroth's White. Excellent variety: long stemmed..	1.50
Coates Yellow Perfection. Fine spring-flowering yellow..	1.00	Schumann's Lavender. Popular Spring variety.....	2.00
Daybreak. Clear light pink.....	1.00	* Snow White. Fine white: many flowers duplexed.....	1.00
* Ethel. Clean growing, medium deep yellow.....	1.50	* Sunlite (Ball). Extra early golden bronze.....	1.00
Feist's White. Creamy white with yellow lip.....	2.00	Suntan. Early flowering rosy bronze.....	1.00
* Early Cincinnati (Ball). Our own early flowering strain of this fine light rose.....	1.00	* Westover's Fringed White. Large ruffled white for spring.....	1.00
Gilbert's Pink. Deep rose pink.....	1.50	* Westover's Fringed White Early	1.50
Ideal Imp. (Hodaly's). Blend of rose, orange and yellow..	1.50	* Windmill's Lilac. Long stemmed rosy lilac.....	1.50
Junglewood Yellow. ½ Tr. pkt., \$1.25.....	2.00	Yellow Peggy Schumann	2.00
Kirkwood Beauty. Orange Bronze.....	1.00	Yellow Wonder Improved. Extra early yellow.....	1.50
* Koester's White. Fine, early flowering pure white.....	1.50	Standard Early Mixed. All varieties.....	.75

FINE OUT-DOOR SNAPS (175,000 seeds per oz.)

Generally, we recommend the rust-resistant varieties for outdoor growing, not only because of their rust-resistance but because they are apt to be truer to type. A sowing Feb. 1st of the longer-stemmed varieties will produce an excellent crop of flowers during early summer out-doors. For flat and plant sales, sow March 1st in most sections.

BALL TEN BEST

We unhesitatingly recommend these varieties as the finest in their color classes for outside growing. ALL ARE RUST RESISTANT.

- ***Cherry Red.** (Majus Grand.) A bright, rosy cerise-red similar to the forcing variety Better Times.
 - ***Copper Queen.** (Maximum.) Shades of rich bronzy copper; long stemmed and attractive.
 - ***Rosalie.** (Majus Grand.) A rich deep rose; fine for cutting. Our most popular summer Snap.
 - ***Pinkie.** (Majus Grand.) A lighter rose shade than Rosalie; very fine.
 - ***Alaska.** (Maximum) The best long stemmed clear white variety for cutting.
 - ***Canary Bird.** (Maximum) Long stemmed clear light yellow. Good cut-flower type.
 - ***Yellow Jacket.** (Majus Grand.) An exceptionally attractive deep rich yellow.
 - ***Swingtime.** (Maximum). Fine medium-light pink with white throat.
 - ***Maximum Crimson.** A warm deep glowing crimson: valuable for cutting.
 - ***Red Cross.** (Maximum) Velvety crimson combined with bright golden yellow.
 - ***Improved California Mixture.** A carefully blended formula made up by ourselves of the above varieties.
- PRICES on all above varieties and mixture:** Tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c; 1 oz., \$2.80.

STANDARD SUMMER SNAPS

MAXIMUM. The strong growing, long stemmed type for cutting.

Appleblossom. (Rust Res.) Pink with yellow lip and white tube.

- Campfire.** (Rust Res.) Bronzy scarlet.
 - ***Copper King.** (Rust Res.) Fine copper-scarlet.
 - Daffodil.** (Rust Res.) Canary yellow.
 - Loveliness.** (Rust Res.) Shades of light pink.
 - ***Yellow Giant.** (Rust Res.) Rich yellow.
 - Mixture.** (Rust Res.) Choice colors.
- PRICES on all above varieties, including Mixture.** Tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c; 1 oz., \$2.80.

- MAJUS GRANDIFLORA.** Not quite as long-stemmed as the Maximums, but long enough for good cut flowers. Large-flowered.
- ***Buttercup.** (Rust Res.) Long-stemmed, medium yellow.
 - Shasta.** (Rust Res.) Creamy white.
 - Harmony.** Apricot-pink shades.
 - Orange Shades.** (Rust Res.) Unusually attractive.
 - Padre.** (Rust Res.) Brilliant crimson.
 - ***Hybrid Mixture.** (Rust Res.) A brilliant mixture of all colors in this class.
- PRICES on all above varieties including Mixture.** Tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c; 1 oz., \$2.80.

- MAJESTIC.** Extra large flowered with medium long stems.
- Fair Lady.** Clear light rose pink.
 - Golden Dawn.** Light golden bronze.
 - ***Rose Sensation.** (Rust Res.) A fine shade of light pink.
 - Mixture.** (Rust Res.)
- PRICES on all above varieties including Mixture.** Tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c.

- NANUM GRANDIFLORUM.** The dwarf class for bedding.
- Gloria.** Deep rose pink. Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$5.00.
 - Golden Queen.** Rich golden yellow. Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$5.00.
 - ***St. George.** Flashing orange cerise. Tr. pkt., 35c; ⅛ oz., 60c; ¼ oz., \$1.00; 1 oz., \$3.00.
 - Mixture.** (Rust Res.) A choice mixture of colors in this increasingly popular class. Tr. pkt., 25c; ⅛ oz., 60c; 1 oz., \$2.00.

- TOM THUMB Magic Carpet.** An attractive mixture of colors in this extra dwarf class. (4 to 6 in.) Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$5.00.

(350 seeds per oz.)

Ball Sweet Peas

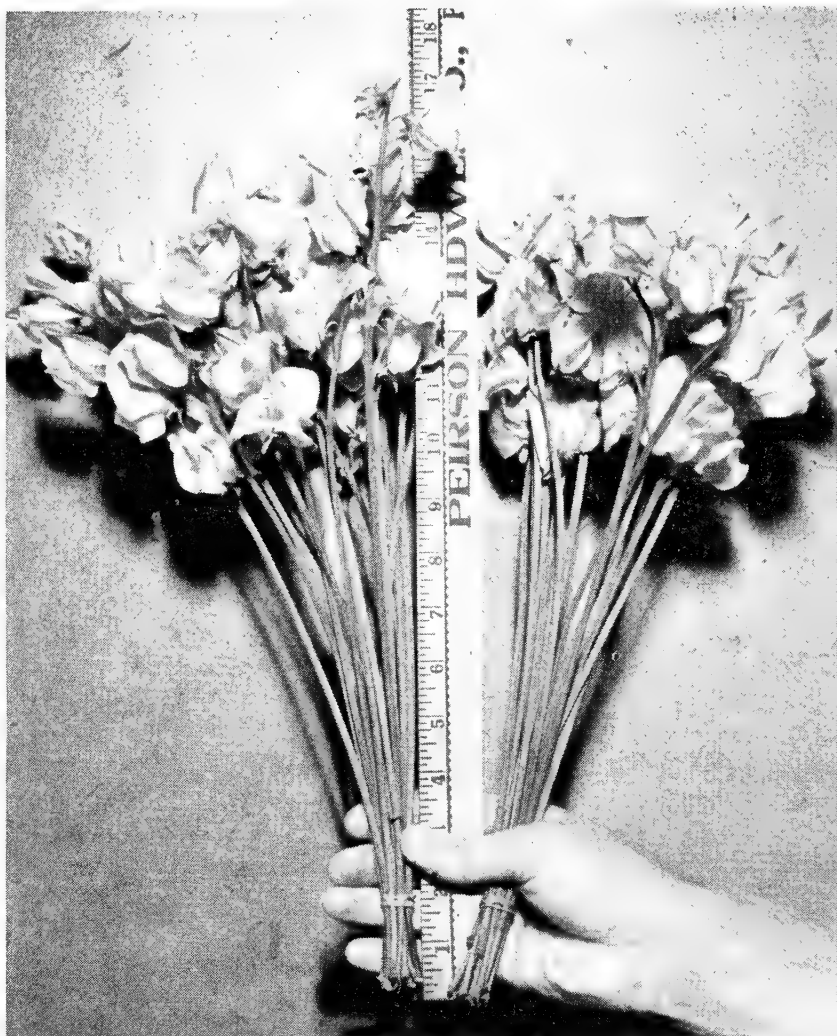
Late or Summer Peas

This is the original strong growing class so largely used for summer flowering. We have for years found them profitable for outdoor cutting by sowing not later than February 1st, placing 3 or 4 seedlings in a 3 in. band or pot and after hardening them in an outdoor frame, planting them out. This is done in 3 ft. spaced rows, the pot plants spaced about 8 in.; but before doing so, syringe and fumigate very thoroly, being sure they are clean of aphis. Usually they should be sprayed for aphis every 2 weeks until they flower. Failures are frequently due to not watching this point. With us they usually reach a height of 4-5 ft. and are supported with wire and string as indoors. Water should be applied when necessary. Such a start with us flowers freely the last two weeks of June.

BALL TEN BEST

- ***Pinkie.** Finest large flowered rose-pink; long-stemmed and a heavy producer.
- ***Snow White.** The finest clear white; black seeded. Improves Gigantic in vigor of growth and flower size.
- ***Ball Shrimp Pink.** A pleasing soft shrimp pink. Vigorous growth and long stems make this outstanding.
- ***King Lavender.** Exceptionally fine clear even lavender with long strong stems. Excellent growth.
- ***Windsor Blue.** A supremely fine mid-blue. Its clear even color, stem length, and flower size set it apart.
- ***Welcome.** An intense sunproof scarlet of vigorous growth. Fine flower size and stem and a heavy producer.
- ***Maytime.** A bright golden cerise with large flowers and long stems.
- ***Olympia.** A rich mauve; similar in color to the winter flowering variety, Triumph.
- ***Stylist.** Large flowers of clear deep salmon rose-pink.
- ***Sweet Afton.** Strong growing clear bright pink. An excellent variety.
- ***Ball Best Mixture.** Composed only of the best varieties in proportion to their commercial value.

PRICES on All Above Varieties and Mixture.
½ oz., 20c; 1 oz., 30c; 4 oz., 90c; 1 lb., \$2.90; 5 lbs., \$12.50.



Quality Sweet Peas with stems like these call for cool growing conditions, fertile soil and plenty of water, but the difference in net returns usually more than pays for the extra care. These beauties were grown by Max Engleman, Pittsfield, Mass.

STANDARD VARIETIES

- Ambition.** Rosy lavender.
 - Amethyst.** Fine clear lilac-blue.
 - ***Bonny Briar.** Fine rose pink.
 - ***Chinese Blue.** Good clear medium blue.
 - Constance Hinton.** Black-seeded white.
 - ***Ecstasy.** Attractive light salmon or shrimp pink.
 - Flagship.** Deep brilliant navy blue.
 - ***Gigantic.** Excellent, pure white; black seeded.
 - Headlight.** Fine sunproof orange scarlet.
 - ***Highlander.** Fine large lavender.
 - Miss California.** Large salmon rose.
 - Pinnacle.** CROP FAILURE.
 - Powercourt.** Strong growing, standard lavender.
 - ***Red Rover.** Deep crimson (same as Redwood in Earlies).
- PRICES on all above varieties, each; ½ oz., 20c; 1 oz., 30c; 4 oz., 90c; 1 lb., \$2.90; 5 lbs., \$12.50.**
- Florists' Mixture.** A well-balanced mixture of all colors in the late-flowering class, predominating in good cut-flower colors.
1 oz., 25c; 4 oz., 75c; 1 lb., \$2.25; 5 lbs., \$10.00.

For Better Profits

(350 seeds per oz.)

Spring Flowering Peas

For greenhouse sowing between November and February, we find this new class superior to the Early or Winter class. While their stronger growth makes them a week or 10 days later flowering, they are generally longer stemmed and last longer than the weaker growing Earlies. They are also increasingly used for outdoor planting, being somewhat earlier than the Summer Class.

***Black Seeded White.** Excellent pure white. Its large frilled flowers and heavy stems make a fine display.

***Blue.** A fairly deep "Hoover" blue.

***Lavender.** Soft rosy lavender. Good producer.

Light Blue. Beautiful light Princess Blue shade.

Light Carmine (Deep Rose Cerise). A pleasing bright cerise rose on salmon. Fine stem and lots of 4's.

Salmon Cream Pink. Extra long stemmed, soft salmon pink.

***Mauve.** Closely resembles Winter Flowering Triumph in its rich coloring. Of fine spring flowering habit.

Navy Blue. Brilliant deep marine blue. Vigorous growth and fine large flowers.

***Rose Pink.** Similar in color to Laddie Improved.

PRICES on Above Spring Flowering Varieties: ½ oz., 35c; 1 oz., 65c; 4 oz., \$2.00; 1 lb., \$6.50.

***Mixture.** A mixture balanced according to demand for each color. ½ oz., 30c; 1 oz., 55c; 4 oz., \$1.65; 1 lb., \$5.50.

WINTER FLOWERING VARIETIES

While we prefer the Spring Flowering for late greenhouse planting, the Winter class does flower earlier and in some sections are preferred even for outdoor planting. This class has been a specialty with us for over 40 years.

OUR TWELVE BEST

***Ball Blue Supreme.** The same rich blue color as Mrs. Hoover, but larger flowered and a better producer.

***Ball Orange Supreme.** Improves the original Ball Orange in better stem length and more brilliant color.

***Ball Rose Queen.** Extra long stemmed and large flowered clear rose pink.

***Ball Rose Supreme.** Large wavy flowers of bright silvery rose pink. Fine producer.

***Hiawatha.** Fine deep rose: a warm, rich color for Spring.

***Twilight.** A bright clear lavender. Considered by many an improvement over Harmony.

***Triumph.** Long stemmed, rich lilac mauve; a fine market variety.

***Princess Blue.** Large flowered, light blue.

***Ball White.** White seeded, pure white. Long stemmed.

***Ball Salmon.** Fairly deep salmon pink.

***Treasure Island.** Large, wavy orange scarlet flowers.

***Fiesta.** The finest red in early peas.

***12 Best Mixture.** Our own formula mixture of the above varieties.

PRICES on 12 Best Pea Varieties and Mixture: ½ oz., 30c; 1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

GENERAL LIST

American Beauty. American-Beauty rose.

Amethyst. Rich bright mauve-purple.

Apollo. Salmon-cerise; fine for spring.

Attraction. Long-stemmed salmon rose.

***Bacchus.** Deep maroon-purple. Large flowered.

Blue Danube. A clear deep blue.

Boon. Deep salmon-rose.

Bridesmaid. Delightful silvery pink. Large flowered.

Columbia. Rose and white bi-color.

***Daphne.** Soft salmon-pink on cream. Large flowered.

Eileen. Rich Begonia rose.

Fragrance. Clear lavender for spring flowering.

***Gardenia.** Finest long-stemmed pure white for spring.

Grenadier. Poppy-scarlet.

Harmony. Standard early flowering lavender.

Heather Bell. Pleasing orchid-lavender. Rather small flowered.

***Hope.** Fine black-seeded white.

Jeanne Mamitsch. Clear rose; long stemmed.

Josie. Rose pink; rather small flowered.

***Laddie Imp.** Long-stemmed fairly light rose pink.

Magic. Extra early and free flowering orchid lavender.

Majestic Rose. Fine large-flowered rose-pink.

Michigan. Clear lavender.

***Mrs. Hoover.** Standard early mid-blue.

***Mother Machree.** Large coral rose flowers: semi-duplexed.

***New Ball Rose.** Free flowering, rich deep rose.

Oriental. Black-seeded cream.

Pride. Extra long-stemmed brilliant cerise.

***Redwood.** Large-flowering deep, velvety crimson.

Rhapsody. Attractive deep rosy lavender.

***Rhumba.** Excellent salmon cerise for spring.

Sequoia. Large flowered standard salmon rose.

***Signal Red.** Fine long-stemmed brilliant red.

***Sparks.** The finest poppy scarlet.

Sunray. Long-stemmed, light cerise.

***Tahoe.** Fine mid-blue for spring flowering.

Titania. Extra large flowered deep rose: heavy stems.

***Top Hat.** Deep bright violet-blue.

***Tops.** Extra large, wavy flowered, light salmon rose.

Top Sergeant. Deep crimson red without purple shading.

***White Harmony.** Similar to Hope: black-seeded.

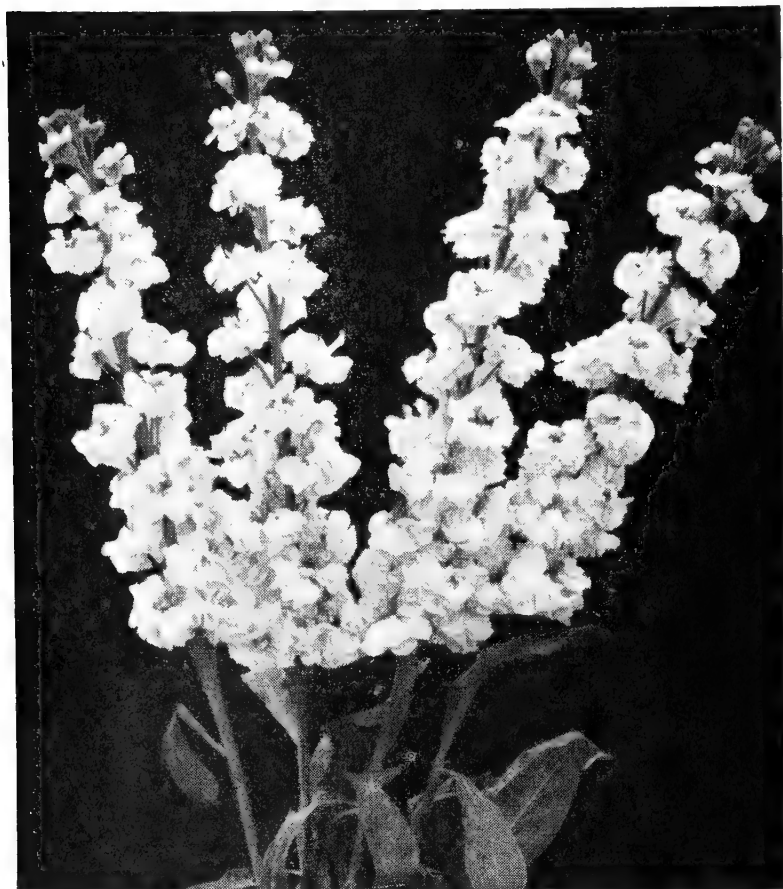
PRICES on All Above Varieties: ½ oz., 30c; 1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

Ball Early Mixture. Carefully balanced mixture of winter varieties. ½ oz., 25c; 1 oz., 45c; 4 oz., \$1.35; 1 lb., \$5.00.

Non-
Branching

BALL STOCKS

(18,000 seeds
per oz.)



Well-grown Ball Stocks are a profitable crop

MISCELLANEOUS VARIETIES

- *No. 20 Ball Apricot. Popular, large flowered creamy buff.
- No. 24 Deep Apricot. Slightly darker than the above.
- No. 17 Gold Standard. Deep ivory yellow.
- No. 10 Mixture. Our own formula mixture of all varieties.

HYACINTH FLOWERED VARIETIES

The dwarf non-branching plants carry one compact spike resembling a Hyacinth and are ideal for pot use.

- No. 5 Ball Dwarf White. Pure glistening white.
- No. 25 Ball Dwarf Rose. Smoky coral rose.
- No. 26 Ball Dwarf Ruby. Bright crimson red.

Prices on All Non-Branching Varieties as Follows:

½ Tr. pkt., 60c; Tr. pkt., (about 1,200 seeds), \$1.00; ¼ oz., \$2.50; 1 oz., \$9.00.

BRANCHING STOCKS

GIANTS OF CALIFORNIA

- Golden Gate. Soft creamy yellow.
- Monterey. A clear bright pink.
- *Pacific. Fairly dark lilac-mauve.
- Santa Barbara. Chamois or buff.
- *Santa Maria. Best branching white.
- *Tahoe. Clear lavender.
- *Yosemite. Rich rose pink.

PRICES Above Varieties Each: Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.50.

Mixture of all colors in this fine class. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$4.00.

PERPETUAL BRANCHING

- *Empress Augusta Victoria. Silver lilac.
- Mixture.
- PRICES Each: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.

IMPROVED BISMARCKS

- Antique Copper. Fine copper red.
- Apple Blossom. Pale, delicate pink.
- Blood Red. Bright ruby red.
- *Chamois. Clear chamois or buff.
- *Elk's Pride. Rich purple.
- Flesh. Pale coral pink.
- *Golden Ball. Ivory yellow.
- *Lavender. Clear lilac lavender.
- *Lilac. Fairly deep lilac blue.
- *Rose. Fine bright rose pink.
- *Shasta. Giant-flowered white.
- Formula Mixture of above colors.
- PRICES Each: Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

BEAUTY OF NICE

- Cote D'Azure. Light lavender-blue.
- Flesh Pink. (Beauty of Nice).
- Mont Blanc. Extra early pure white.
- Queen Alexandra. Fine rosy lilac.
- Mixture.
- PRICES Each: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.

DWARF TEN WEEK

- | | |
|--|---------------|
| Blood Red | Canary-Yellow |
| Carmine-Pink | Deep-Rose |
| Lavender | Purple |
| | White |
| Formula Mixture | |
| PRICES Each: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.00. | |

The ease with which good quality Non-Branching Stocks are grown, if soil has been properly sterilized, must not be overlooked in these days of labor shortages. Requiring no disbudding and with two sets of supporting wires usually being sufficient, a saving of time can be realized on this crop that should not be minimized. In the latitude of Chicago, seed may be sown until February 15 for early June flowering; later sowings usually result in more or less blindness. Note, however, that the season advances approximately one week for every 200 miles south—figure accordingly.

OUR BIG THREE

These three varieties are the most popular on our list and each is supremely fine either for retail or market use.

- *No. 16 Ball White Improved—Medium Tall. Our finest early pure white, with extra large florets, and well-formed, compact spikes.
- *No. 1 Lilac Lavender. Our own excellent large flowered strain, well-liked by all markets. Fine for Memorial Day at which time this color is usually short.
- *No. 22 Ball Supreme. Extra long, stiff stems and fine heavy spikes of rich silvery rose have made this the outstanding variety in its color class.

WHITE VARIETIES

- *No. 15 Ball White Improved. Long stemmed pure white. Gardenia. Late flowering pure white: not entirely non-branching.

PINK, ROSE AND RED VARIETIES

- No. 11 Ball Pink. Early flowering medium light pink.
- *No. 14 Ball Rose Pink. Fairly deep, bright rose pink.
- No. 9 Chamois Pink Improved. Attractive buff and pink.
- No. 6 American Beauty. Deep American Beauty Rose.
- No. 7 Malmaison Pink. Blush pink: branches slightly.
- No. 8 Ruby. Long stemmed, rich crimson red.

LAVENDER, BLUE AND PURPLE VARIETIES

- No. 3 Ball Blue. A medium lavender mauve. Somewhat lower in percentage of doubles than other varieties.
- *No. 21. Purple Heart. Long stemmed bright violet purple.
- No. 23 Pastel Lavender. Pale lavender.

ANNUAL LARKSPUR

(8,000 seeds per oz.)

SUPER MAJESTICS

Extra vigorous growth with long stems and long spikes of fully double flowers are the important points about this new Larkspur strain. For outdoor growing, where older varieties have been rather short-stemmed, the 20% additional length of this new class is a distinct advantage. Equally valuable for greenhouse culture (see photo at right).

- ***Rose Pink.** Rich, creamy rose-pink.
 - ***Lavender.** A deep, rosy lavender.
 - ***White.** Large flowered, pure white.
 - ***Mixture** of above colors.
- PRICES on All Above Super Majestic Varieties and Mixture:**
Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00; 1 lb., \$15.00.

STOCK FLOWERED VARIETIES

- Dark Blue.** Rather deep violet-blue.
 - ***Lilac Supreme.** A clear deep lilac.
 - ***Mauve Beauty.** Med. lavender mauve.
 - ***Rosamond.** Excellent, deep rose.
 - Los Angeles.** Bright salmon-rose.
 - Rose Queen.** Attractive rose-pink.
 - Sky Blue.** A light blue.
 - ***Tempest.** CROP FAILURE.
 - White.** Prefer White King.
 - Formula Mixture** of above varieties.
- PRICES on All Above Stock-flowered varieties and Mixture:** Tr. pkt., 25c; 1 oz., 95c; 4 oz., \$3.20; 1 lb., \$9.60.

GIANT HYACINTH FLOWERED

- Produces one long non-branching spike.
- | | | |
|------------------|-----------------|--------------|
| Dark Blue | Lavender | Pink |
| Purple | White | Mixed |
- PRICES on All Above Varieties Including Mixture:** Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.60; 4 oz., \$5.20; 1 lb., \$16.00.

A January sowing of Larkspur will flower about May, depending on temperatures. While it is sown outdoors to advantage in the fall, spring sowings do about as well if sown the first day the ground can be prepared. To draw up long stemmed flowers, use fairly enriched deep soil and water when quite dry. Besides its use in the fresh state, we are told it can be dried. Place in water for a few hours and hang upside down in dry, dark storage.

SIX BEST CUTTING VARIETIES

Our own market experience as well as seed demands, indicate that these represent the most satisfactory commercial varieties. All are base branching.

- ***Blue Bell.** Clear mid-blue; excellent.
- ***Blue Spire.** Deep violet blue.
- ***Brilliant Rose.** Intense, luminous rose.
- ***Sweet Lavender.** Clear, even lavender.
- ***Rosalind.** Shatter-proof, salmon pink.
- ***White King.** Finest pure white.
- ***6-Best Mixture.** A formula mixture of these 6 varieties.

BASE BRANCHING OR IMPERIAL VARIETIES

- Carmine King.** Variegated carmine-rose.
 - ***Coral King.** Pleasing, soft coral rose.
 - Dazzler.** Rich carmine-scarlet.
 - ***Exquisite Pink Imp.** Fine soft pink.
 - Gloria Imp.** Extra fine, deep rose.
 - ***Lilac King.** Rich, deep bluish-lavender.
 - ***Lilac Queen.** Deep orchid: lighter and rosier than Lilac King.
 - Los Angeles Imp.** Bright salmon rose.
 - Miss California.** Pleasing, salmon pink.
 - Pink King.** Attractive, soft light pink.
 - ***White Cockade.** Fine, fully double pure white flowers.
 - White Spire.** Clear white.
 - ***Formula Mixture** of above varieties.
- PRICES on All Above Varieties Including mixtures and the Six Best:** Tr. pkt., 25c; ¼ oz., 40c; ½ oz., 65c; 1 oz., \$1.10; 4 oz., \$3.60; 1 lb., \$11.00.



Super Majestic Larkspur; over 6 ft. tall in ground beds.

BALL CALENDULA

Developed by us 29 years ago, they continue the only cut-flower class.

(3,000 seeds per oz.)

BALL GREENHOUSE Varieties

This long stemmed class will flower freely during the spring months from a January sowing.

- ***Ball Improved Long Orange.** The longest stemmed and largest flowered variety. Bright golden orange with light eye.
 - ***Ball Masterpiece.** Deep glowing orange with dark eye.
 - ***Ball Lemon Queen.** Lemon yellow with contrasting brown eye.
 - ***Ball Gold.** Deep golden yellow with light eye.
 - Ball Long Orange.** Extra deep, intense orange. Light-eyed.
 - Ball Apricot.** Our own strain of this dark-eyed, buff variety.
 - Campfire.** Popular deep orange.
 - Ball White (Moonlight).** Creamy white with dark center.
- PRICES on All above varieties Each:** Tr. pkt., 40c; ¼ oz., 60c; 1 oz., \$2.00; 2 oz., \$3.50; 4 oz., \$6.50.

- ***Ball Formula Mixture.** Carefully made up of our named varieties with fully half orange.
 - Ball Art Shades Mixture.** Contains many original and unusual shades and interesting bi-colors.
- PRICES on Above Mixtures Only Each:** Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00.

DWARF BEDDING Varieties

Showy for bedding where summer heat is not excessive.

- Lemon Queen.** Light lemon yellow.
 - ***Orange King.** Deep orange with dark eye.
 - ***Ball Bedding Mixture.** Well proportioned dwarf mixture.
- PRICES on above two varieties and mixture:** Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c; 4 oz., \$2.40; 1 lb., \$7.00.

BEGONIAS

FIBROUS ROOTED

For your convenience we have grouped all the Fibrous Rooted Begonias into 3 classes; Tall, Intermediate and Dwarf, rather than the old and confusing classification of Semperflorens and Gracilis. We have ample supplies of our own perfectly-cleaned greenhouse-grown seed of nearly all varieties listed below. Seed may be sown at any time, but a January sowing will produce choice plants for spring combinations or bedding.



Fibrous-Rooted Begonias, by the nature of their growth, divide themselves readily into the three types pictured here; dwarf, intermediate and tall.

TALL CLASS

- Christmas Cheer.** Large flowered deep crimson rose. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.
Glory of Erfurt. Medium rose shades. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.25.
Ile de France. Large flowered white. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.
Masterpiece. Extra large flowered, clear pink. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
***Pink Radio.** Extra large flowered rich glowing rose. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
***Silver Wings.** Extra large pure white flowers with bright green foliage. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.
Tall Varieties Mixed. A formula mixture of the above strong growing sorts. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

INTERMEDIATE CLASS

- *Carmen.** The original bronze-leaved Begonia: bright rose-pink flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
***Fire Sea (Blaze of Fire).** Large fiery red with green foliage. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

- *Indian Maid.** Foliage a deep lustrous bronze with contrasting scarlet flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
***King of the Reds.** Free flowering rose red. Its vigorous but compact growth makes it equally valuable for pots or bedding. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
***Luminosa.** Very attractive and popular scarlet red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.
Prima Donna. Medium rose pink. Prefer Scandinavia Pink. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.
***Scandinavia Pink.** Very free flowering bright rose pink. Fine bushy pot plant habit. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
***Scandinavia Red.** Identical to the above except for its bright carmine scarlet flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
Scandinavia White. A white Scandinavia selection. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
Intermediate Varieties Mixed. Our own mixture made up of the above separate colors; carefully blended. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

DWARF CLASS

- *Ball Red.** (Pictured on front cover.) Fairly dwarf in growth and of uniform, perfectly rounded habit. The plants are covered with medium large flowers of the brightest scarlet red imaginable. Much more brilliant than King of the Reds or Luminosa. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
***Ball Deep Rose.** Identical in habit to Adeline from which it was selected. Under winter and spring conditions the color is a deep rich rosy red which gradually fades to a bright luminous pink with the coming of warmer weather. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.



Begonia Tuberous Rooted Double.

- *Adeline.** Extra free flowering bright pink; dwarf and compact. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
***Ball White.** We find this the finest white for pot plant use. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
***Luminosa Compacta.** Extra dwarf, free flowering scarlet red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.
Dwarf Varieties Mixed. Our own formula mixture of dwarf varieties. Fine for combinations. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

TUBEROUS ROOTED BEGONIAS

- *Tuberous Rooted Double Mixed.** Gorgeous colors with 80 to 90% good doubles. Tr. pkt., (1000 seeds or more), \$2.50.
Tuberous Rooted Single Mixed. Attractive shades of orange, rose, scarlet, etc. Large flowered. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
***Lloydii Mixed.** Nice 4 in. plants of this graceful pendulous Begonia can be grown in 6 or 7 months from seed. Double flowers, about 2 in., in shades of scarlet, rose, salmon and white. Tr. pkt., \$3.00.

DELPHINIUM

(10,000 seeds per oz.)

THREE FINE GIANT PACIFIC HYBRIDS

These three varieties are outstandingly fine and deserve to be grown by every florist who does a cut-flower business.

***Galahad Series.** The finest clear white Delphinium. Huge, double flowers borne on long spikes.

***Guinevere Series.** Fine light, pinkish-lavender with white bee.

***Summer Skies Series.** Light blue with an attractively contrasting white bee.

Prices on Above Varieties, Each: Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; 1 oz., \$14.00.

There are two distinct types of Delphinium—the Hybrids, and what we might refer to as the Belladonna type. The latter are not so strong in growth or long stemmed as the Hybrids, but flower more freely. Decidedly the best Hybrids are the Giant Pacifics originated by Vetterle and Reinelt of California. They are available in a fine line of colors from light to the darkest blue, lavender, mauve and white. Nearly all come remarkably true to color considering their strong hybrid origin. Also, they are quite resistant to mildew, though late in the season our greenhouse plants will develop some, but much less than other types. The class known as Chinensis, usually grown as an annual, is not so vigorous as the above and rather short stemmed, but earlier flowering. Seed of all varieties sown in January can be transplanted in flats, grown cool and set out early to harden before planting in the open.

GIANT PACIFIC HYBRIDS Court Series

***Percival Series.** Large glistening white flowers with strongly contrasting black bees. Tr. pkt., \$1.50; 1/8 oz., \$3.00.

***Blue Bird Series.** The clearest of medium blues with white bee. 2 1/2 in. flowers.

Black Knight Series. Deep mid-night violet. The darkest of them all.

Blue Jay Series. A brilliant true medium blue with dark bee.

Cameliard Series. A pure lavender self with white bee. Very attractive.

King Arthur Series. Sold out until August.

Round Table Series. Contains all the above varieties with many new and interesting color types not yet introduced.

Guinevere Series. See box above.

Galahad Series. See box above.

Summer Skies Series. See box above.

PRICES on Above Varieties (Except Percival): Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; 1 oz., \$14.00.

GIANT PACIFIC HYBRIDS Regular Strains

Clear White. A very fine clear white, large double flowered hybrid Delphinium.

Blue Shades. One of our most popular strains. Mixture of light, medium and dark blue shades.

Lavender Pastel Shades. Mostly two-tone lavender combinations with brown or black bees.

Mixture. A complete mixture of all colors in this fine hybrid type.

PRICES on Above Three Varieties and Mixture, Each: Tr. pkt., \$1.00; 1/8 oz., \$2.00; 1/4 oz., \$3.50; 1 oz., \$12.00.

MISCELLANEOUS VARIETIES

***Belladonna Improved.** (Clivedon Beauty.) A carefully reselected strain of this standard light blue. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 oz., \$10.00; 1 lb., \$35.00.

Belladonna. The original or regular strain. Tr. pkt., 30c; 1/4 oz., 70c; 1 oz., \$2.20.

Bellamosum Improved. A reselected strain of this standard deep blue. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 oz., \$10.00; 1 lb., \$35.00.

***Lamartine.** Deep, bright marine blue with white eye. Outstanding for color and cut flower habit. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.75.

***Blackmore and Langdon Hybrids.** Shades of blue with contrasting bees. A fine, free-flowering, hybrid strain. Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$2.70; 4 oz., \$9.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Long blooming period. Tr. pkt., 50c; 1/4 oz., \$1.60; 1 oz., \$5.50.

Gold Medal Hybrids. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

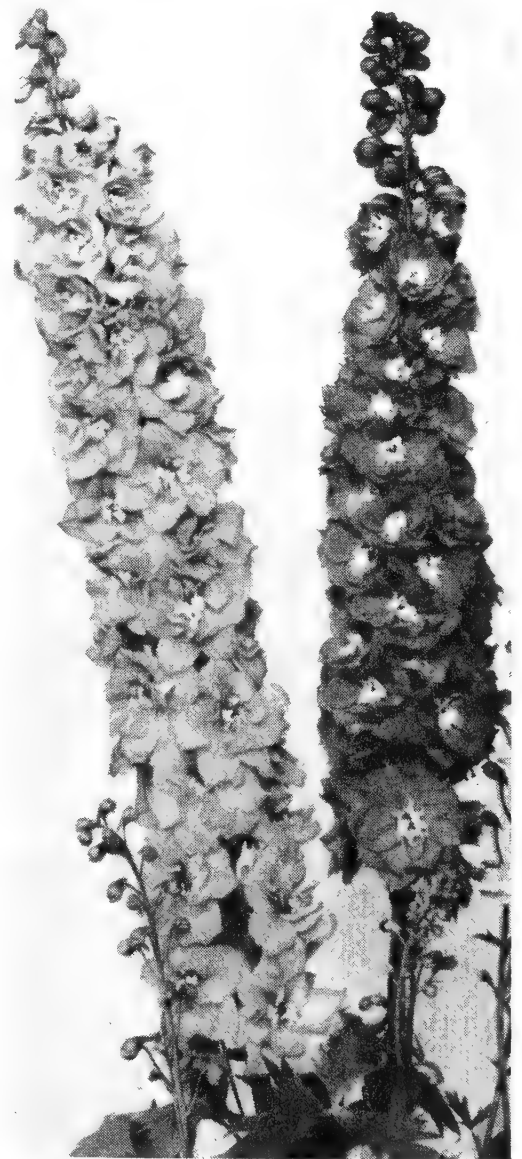
DELPHINIUM CHINENSIS (Annual Delphinium)

(20,000 seeds per oz.) A January sowing makes a nice late spring cut flower crop.

***Blue Mirror.** (New). Bright navy blue flowers without spurs. Tr. pkt., 50c; 1/4 oz., \$1.20; 1 oz., \$3.60.

***Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.60.

White Dark Blue Mixture
PRICES on above three: Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.



V. & R. Giant Pacific Delphinium is one of our most valuable hardy perennials.

POPULAR ANNUALS

For Bedding and Cutting

Under this heading we have grouped all our valuable bedding and cut flower annuals except specialties on foregoing pages. Perennials will be found starting on page 38. In selecting these miscellaneous items, we keep in mind the interest of the professional or commercial grower only, thereby giving meaning to our business—
“Flower Seeds for Florists.”

We include with this catalog the number of seeds per ounce of important items listed. For example; **ACROCLINIUM**—8500 S means 8500 seeds per oz. These figures must NOT be accepted as indicating the number of plants to be expected. Under favorable germinating conditions most large seeds will germinate 50 to 60 percent.

ACROCLINIUM—*New Hybrids*. (Sensation Giants). 8500 S. Choice bright-colored Strawflowers for spring cutting. The extra large semi-double strain. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

AGATHEA—*Coelestis*. (Felicia amelloides or Blue Daisy). 27,000 S. Fairly tall (30 in.) Of irregular and slow germination. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.

AGERATUM—**Golden Ageratum*. (Lonas inodora.) Freely produces large clusters of Ageratum-like golden yellow flowers on medium tall (12 in.) plants. Very colorful for bedding or borders. Tr. pkt., 35c; ⅙ oz., 75c; ⅛ oz., \$1.35; ¼ oz., \$2.50.

MEXICANUM 200,000 S. Most seed-produced strains vary in habit but make satisfactory material for flat sales.

***Blue Bedder**. The best seed-produced strain we know of; a fairly uniform dwarf and free flowering variety for bedding. 4 to 6 in. Tr. pkt., 35c; ⅛ oz., 85c; ¼ oz., \$1.50.

***Midget Blue**. Small, clear blue flowers, freely produced. One of the better strains. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65; 1 oz., \$5.50.

Blue Ball Improved. 6 to 10 in. Large flowered strain. Tr. pkt., 30c; ⅛ oz., 65c; ¼ oz., \$1.20; 1 oz., \$4.00.

Blue Perfection. 10 to 15 in. Large flower heads. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.50.

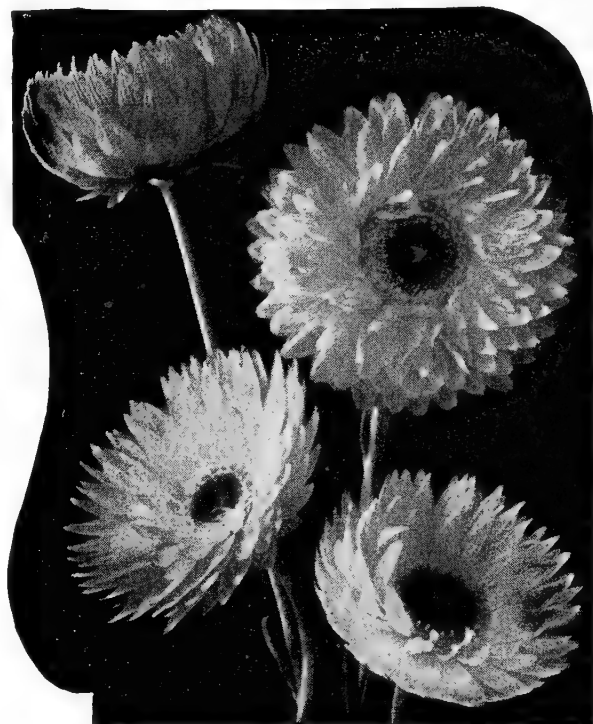
Tall Blue. 24 in. Uniformly large-flowered, tall strain for cutting. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Fairy Pink. Soft, rosy salmon pink flowers: dwarf and compact in growth. 4 to 6 in. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65; 1 oz., \$5.50.

Imperial Dwarf White. 10 to 12 in. Fairly even medium dwarf, large flowered white. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

ALOE—**Variegata*. (Tiger Aloe.) The attractively green and yellow tigers, succulent leaves and the ease with which nice 2-in. pot plants can be produced in a year's time or less make this a valuable item for florists. 100 seeds, \$1.50; 500 seeds, \$6.50; 1000 seeds, \$11.00.

Ferox (African Wart Aloe). A fast growing succulent that will produce small saleable plants in 6 to 8 months from sowing. Much faster growing than Aloe Variegata. 100 seeds, 50c; 250 seeds, \$1.00; 500 seeds, \$1.75; 1000 seeds, \$3.00.



Acroclinium—New Hybrids.

ALYSSUM—90,000 S. All are delightfully fragrant and do well even in poor soils.

***Carpet of Snow**. (Procumbens Snowcloth). Produces a very dense flat mass of white flowers, 3 to 4 in. high by 8 to 10 in. across. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 oz., \$2.25.

***Little Gem**. 5 in. Dense rounded heads of white flowers; does not spread. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c; 4 oz., \$2.75.

***Violet Queen**. 5 in. Of the same dwarf compact type as Lilac Queen but much deeper in color. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25; 4 oz., \$4.25.

Lilac Queen. 5 in. Same as above but light lilac. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 oz., \$2.25.

Maritimum. (Sweet Alyssum.) 10 in., medium tall strain. Tr. pkt., 10c; 1 oz., 40c.

For Perennial Alyssum, see page 38.

AMARANTHUS—*Molten Fire*. 28,000 S. 4 ft. attractively variegated deep red foliage. Plants do best when not transplanted and prefer dry, open locations. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

ANCHUSA—*Blue Bird*. (Capensis.) 1100 S. Attractive deep Forget-Me-Not blue flowers. 18 to 24 in. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

For Perennial Anchusa, see page 38.

MISCELLANEOUS ANNUALS—Continued

ARCTOTIS—Breviscapa Aurantiaca. 7700 S. 6 in. Single daisy-like orange flowers with dark centers. Tr. pkt., 35c; ¼ oz., 85c.

Grandis. 25,000 S. Single silvery white flowers with lilac shading and dark center. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

ASPARAGUS—750 S. We offer seed from a California specialist which germinates around 65 to 75% in a soil temperature of 70°.

Plumosus.

Sprengeri.

Prices on Above Two Varieties Each: 100 seeds, 30c; 250 seeds, 65c; 1000 seeds, \$2.00; 5000 seeds, \$9.00.

For **Baby's Breath**, see *Gypsophila*, page 29, and *Euphorbia Corollata*, page 40.

ASTERS—See pages 8 and 9.

BALSAM (3300 S.)—DOUBLE BUSH FLOWERING. 15 in. Because flowers are produced above the foliage this class is by far the most attractive. Even in habit.

Scarlet

Rose

White

Prices above three, each: Tr. pkt., 35c; ¼ oz., \$1.00.

Mixture of all colors in this class. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., \$2.40.

Double Camellia-Flowered Mixed. 24 in. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

For **Bachelor Button**, see *Centaurea Cyanus*, page 24.

BEGONIAS—See page 20.

BRACHYCOME—IBERIDIFOLIA. (Swan River Daisy.) 140,000 S. 6 to 8 in. plants bearing small single flowers.

Mixture of all colors in this class. Tr. pkt., 15c; ¼ oz., 50c; 1 oz., \$1.50.

BROWALLIA—Viscosa Compacta Sapphire. 65,000 S. Compact growth with a profusion of small attractively light-eyed blue flowers. Tr. pkt., 35c; ¼ oz., \$1.00; ½ oz., \$1.85.

Speciosa Major. 10 in. Standard blue variety. Tr. pkt., 50c; ¼ oz., \$1.00; ½ oz., \$1.75; ¾ oz., \$3.00.

CACALIA—Mixed (Tassel Flower). 56,000 S. Small, light scarlet and golden orange flowers on 30 in. stems. Free flowering and easily grown. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.70.

CACTUS—All Sorts Mixed. This choice blend should not be confused with cheap mixtures of common varieties. Requires a temperature of at least 65° for satisfactory results. 100 seeds, 30c; 1000 seeds, \$2.70.

CALCEOLARIA (About 20,000 seeds per ½ oz.). ***Ball Multiflora Nana Mixture (New).** Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. Plants are wiry in growth with small durable leaves. Tr. pkt., \$1.00; ¼ oz., \$2.35; ½ oz., \$4.35; ¾ oz., \$8.00.

***Grandiflora Dwarf Mixed.** Extra large flowers in unusual colors are carried on compact plants. Tr. pkt., \$1.00; ¼ oz., \$2.75; ½ oz., \$5.00.

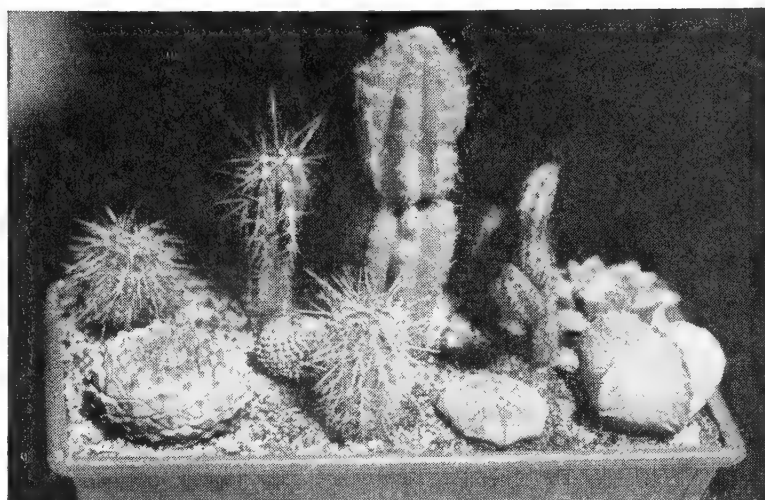
Grandiflora Mixed. A tall growing strain of the above. Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50.

***Dwarf Tigered or Spotted.** Various spotted shades of reds and rosy bronzes. Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50.

***Triumph Strain.** Medium large flowers; mostly bright reds and yellows. Tr. pkt., \$1.00; ¼ oz., \$2.75; ½ oz., \$5.00.

Red Triumph. A separate color selection of the above; 90% true scarlet red. Tr. pkt., \$1.00; ¼ oz., \$2.75; ½ oz., \$5.00.

Indian Prince. A bright scarlet Multiflora Nana selection. Tr. pkt., \$1.00; ¼ oz., \$2.35.



Our Special Mixture of Cactus from Seed (Also see Aloe).

CALCEOLARIA, continued

Cloth of Gold. Medium large, freely produced golden yellow flowers. Very showy. Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50.

Flower Cloud. Small flowers in shades of yellow, orange and bronze. Tr. pkt., \$1.50; ¼ oz., \$3.50.

Perennial Hybrids (Rugosa). A very small flowered type for large exhibition work and bedding. Tr. pkt., \$1.00.

CALENDULA—See page 19.

CALLIOPSIS—90,000 S. Fairly dwarf and very free flowering bedding plants.

Gold Crest. Produces large (2½ to 3 in.) semidouble golden yellow flowers with reddish brown eyes. Tr. pkt., 15c; 1 oz., 60c.

Golden Wave. (Drummondii.) 12 in. Semi-double golden yellow flowers with dark eye. Tr. pkt., 15c; 1 oz., 40c.

Dwarf Mixture. 6 to 8 in. Attractive dwarf compact mixture of red and yellow shades. Tr. pkt., 15c; 1 oz., 50c.

CAMPANULA—Annual Canterbury Bells Mixture. 50,000 S. 2 ft. An annual form of the well-known perennial, flowering 6 months from sowing. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

For **Perennial Campanulas**, see page 38.

CANDYTUFT—9500 S.—HYACINTH-FLOWERED.

***Giant White.** (Ball Strain.) This is our own unsurpassed strain that has been especially bred for greenhouse cut-flower use. Uniform in growth and large flowered. Tr. pkt., 20c; ½ oz., 45c; 1 oz., 80c; 4 oz., \$2.65; 1 lb. \$8.50.

Miniature Gem. A nice very early flowering rock or border plant; 4 in. high. White. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

UMBELLATA. A popular spring cut flower. Sow in January. plant out 8 x 10 in.

***Carmine**

***Lavender (Lilac)**

Crimson

***Rose Cardinal**

Flesh-pink

White

And our special **Formula Mixture** Each; Tr. pkt., 15c; 1 oz., 50c; 4 oz., \$1.65.

Dwarf Hybrids Mixture. An attractive 3 to 4 in. miniature of above. Very early. Tr. pkt., 15c; 1 oz., 60c.

For **Perennial Candytuft**, see *Iberis*, page 40.

MISCELLANEOUS ANNUALS—Continued



Not at all hard to grow fine Centaurea Cyanus.

CARNATION—14,000 S. From an early sowing planted outdoors, preferably under cloth protection, these strains will produce a nice crop of summer Carnations for cutting. Some supporting necessary.

Marguerite Double Mixture. 15–20 in. Ours is a reselected strain of this very free flowering summer Carnation. An old favorite. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

***CHABAUD'S GIANT IMPROVED STRAIN.**

*Cardinal Red (Sparkler)	Deep Salmon (Aurora)	*White (Jeanne Dionis)
Crimson (Blood Red)	Flesh-Pink (Reine Rose)	Yellow (Marie Chabaud)
*Deep Rose (Rose Queen)	Salmon-Rose	Formula Mixture of all colors.

Each: Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.25.

ENFANT DE NICE. A fine standard strain.

Red	Salmon	White	Formula Mixture
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Each: Tr. pkt., 50c; ⅛ oz., \$2.00.

For the hardy **Carnation Grenadin**, see page 39.

For **Castor Bean**, see Ricinus, page 34.

CELOSIA—28,000 S. The increasing popularity of this showy annual is explained by its ease of growth, making showy mass effects even in poor soil and hot climates.

PLUMOSA. Plumed or feathery type producing spire-like branches mostly from base of plant. The new dwarf varieties are finding wide use both for bedding and as spring pot plants. The taller strains are very showy and may be used for cutting.

***Dwarf Fiery Feather.** (Pyramidalis.) 12 in. Very attractive pyramid formation with fiery red spires. The standard variety.

***Dwarf Golden Feather.** (Pyramidalis.) 15 in. Same as above but slightly taller and golden yellow.

***Dwarf Feather Mixture.** A formula mixture of the above two varieties; ⅔ Fiery Feather, ⅓ Golden Feather.

Prices above three, each: Tr. pkt., 25c; ⅛ oz., 65c; ¼ oz., \$1.25; 1 oz., \$4.00.

CELOSIA, continued

***Scarlet Plume.** 4 ft. Brilliant crimson-scarlet. Very colorful for fall borders and for cutting. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

***Golden Plume.** Tall. Same as above except a rich golden yellow. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

***Thompsoni Magnifica.** Ours is a fine even strain of this popular tall growing variety. Contains strikingly brilliant reds with some yellow and gold shades. This makes an excellent cut flower. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

***Spicata.** 5 ft. Long slender silvery rose spikes. Useful as a cut-flower or for drying. Tr. pkt., 20c; ¼ oz., 60c; 1 oz., \$1.80.

CRISTATA. The popular Cockscomb type. Fine for specimen pot work in spring. Also dries well.

Gilbert's Rose Beauty. Ruffled, ball-shaped heads, about 6 in. across, are of a pleasing rose-pink underlaid with silver. Stem length is about 3 ft. and is non-branching unless pinched when less than 12 in. high. A fine cut flower in the fresh state, or may be dried. Originator's Tr. pkt. (300 seeds), 50c.

Gilbert's Maple Gold. Beautiful combs varying in color from light to dark pink, tipped with gold. Grows 2 to 3 feet high and makes an excellent cut flower. Will keep 3 or 4 days out of water. Originator's Tr. pkt. (300 seeds), 50c.

***Empress.** (Dwarf.) 12 in. Large crimson combs with deep reddish leaves.

Glasgow Prize. (Pres. Thiers.) 12 to 15 in. Deep crimson combs set in bright green leaves.

***Dwarf Mixture.** 15 in. A choice mixture of all colors in this class with both light and dark foliage.

Prices above three, each: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

***Royal Velvet.** An absolutely uniform strain of semi-tall "Cockscomb" Celosia. Crimson combs borne well above foliage on 24 to 30 in. stems. We handle originators' seed only. Tr. pkt., 25c; ¼ oz., 90c; 1 oz., \$3.00.

***Tall Mixture.** 40 in. Mixture of all colors in the tall class. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

CHILDSII. Chinese Woolflower. An attractively different type with knobs or ball-like formations on the end of each branch.

Crimson	and	Mixture
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Each: Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.75.

CENTAUREA—Sauveolens. (Yellow Sweet Sultan.) 6700 S. Similar to the Imperialis type but not quite as tall and earlier flowering. 18 in. high, thistle-like flowers, bright yellow. Forces well indoors. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

CYANUS. (Bachelor Button or Cornflower). 6500 S. Ours are the very finest, free flowering re-selected florists' strains. Useful for spring greenhouse flowering or can be flowered outdoors in June and July from a fall sowing.

***Blue Boy.** The standard market variety.

Black boy. Rich deep maroon. **Red Boy.** Deep carmine rose.

***Pinkie.** Attractive rose pink. ***Snowman.** Fine clear white.

Formula Mixture of above varieties.

Prices on all above varieties and mixture each: Tr. pkt., 15c; 1 oz., 45c; 4 oz., \$1.50; 1 lb., \$5.00.

***Early Single Blue.** Freely produces single Cornflowers of clear bright blue. Not quite as strong in growth as Blue Boy, listed above, but earlier and brighter in color. Very attractive. Tr. pkt., 30c; 1 oz., \$1.20; 4 oz., \$4.00.

MISCELLANEOUS ANNUALS—Continued



New annual Chrysanthemum, Rainbow Mixture.

CENTAUREA, continued

Jubilee Gem. 12 to 15 in. Dwarf compact deep blue for bedding. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

IMPERIALIS. (Sweet Sultan.) 7500 S. Thistle-like flowers, larger flowered than the Cyanus type.

Amaranth Red	Deep Lavender	Brilliant Rose
White	Formula Mixture	

Each: Tr. pkt., 15c; $\frac{1}{4}$ oz., 30c; 1 oz., 90c.

AMERICANA. 2400 S. Still larger than the Imperialis. Valuable for retail growers but doesn't stand shipping well.

Lilac, the preferred color. **White.**

Mixture of above two colors. Each: Tr. pkt., 15c; 1 oz., 60c; 4 oz., \$2.00; 1 lb., \$6.00.

DUSTY MILLERS. The white-leaved kinds for border work. Cineraria Maritima Diamond also belongs in this group.

Candidissima. 7500 S. 6 in. The slow growing kind that must be started early. Tr. pkt., 45c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.50.

Gymnocarapa. 7300 S. 24 in. Strong growing fern-leaved. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 75c; 4 oz., \$2.50.

For the hardy *Centaurea Montana*, see page 39.

For *Chinese Forget-Me-Not*, see *Cynoglossum*, page 27.

CHRYSANTHEMUM (Annual)—9000 S. A valuable cut flower "catch crop" that responds well to electric light forcing. Space at least 12 x 12 in. Germination somewhat slow and irregular.

Burridgeanum (Carinatum). White with crimson zone and brown eye.

Eastern Star (Segetum). Pale lemon, golden zone with brown eye.

***Eldorado** (Segetum). Golden-yellow with brown eye.

***Northern Star** (Carinatum). White with yellow zone, brown eye.

Mixture of all colors.
Each: Tr. pkt., 15c; 1 oz., 60c.

CHRYSANTHEMUM, continued

Rainbow Mixture. (Carinatum.) An outstandingly complete and brilliant mixture in this annual Chrysanthemum class. We recommend this Rainbow strain to the retail grower as a source of annual Chrysanthemums for spring cutting. Tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.

For **Hardy Chrysanthemum**, see page 39.

CINERARIA—An early January sowing, if kept growing right along, will make satisfactory 3 in. plants in late May for combination work, in our latitude. Sowings are made from June on for Christmas and later flowering.

***Siter's Rainbow Strain.** 3,500 seeds per $\frac{1}{32}$ oz., An excellent market strain with immense heads of medium large mostly white eyed flowers and small foliage. Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

***Multiflora Nana, Gold Center.** 6,300 seeds per $\frac{1}{32}$ oz. Attractive medium small self-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

***Cremer's Prize Strain.** (Reselected stock.) 6,300 seeds per $\frac{1}{32}$ oz., Continues to be the standard florists' strain. About half-light-eyed. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00; $\frac{1}{16}$ oz., \$7.50.

***Berlin Market Mixed.** (Weissensee Strain.) 3,500 seeds per $\frac{1}{32}$ oz. A fine strain producing large rounded heads of medium large flowers on compact plants. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Berlin Market, Dark Crimson. A deep crimson selection without any eye. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75.

***Grandiflora Dwarf Mixed.** 3,500 seeds per $\frac{1}{32}$ oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Dwarf Giant Exhibition Mixture. Extra large (4 to 5 in.) flowers in a wide color range on fairly dwarf plants. For exhibition work only. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.50.

Pacific Giants Mixed. Produces extra large heads of flowers mostly in shades of blue and lavender. A strong grower for 6-7 in. pots or bedding. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Stellata Mixture. (Star type.) Small, free flowering strain. 24 to 30 in. tall. Mostly blue and lavender shades. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.25.

***No. 1 Mixture.** Consists of Cremer's Prize strain and Siter's Rainbow Strain in equal proportions. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

***No. 2 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and $\frac{1}{4}$ each Siter's Rainbow Strain and Multiflora Nana, Gold Center Strain. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

DUSTY MILLER

***Maritima Diamond.** 10 in. Our finest Dusty Miller. Compact even growth and very white foliage. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c.

CLARKIA—ELEGANS DOUBLE. 90,000 S. Popular for spring cut flower use. Sow in January and grow in shallow soil disbudbing to 2 or 3 spikes for long stemmed flowers. Don't feed, and keep fairly dry after plants are about a foot high to prevent oversoft lanky growth.

Albatross. The best white.

***Brilliant.** Bright deep rose. Good market color.

***Orange King.** Excellent fully double orange-scarlet.

***Salmon Queen.** Medium light salmon-pink.

Mixture of all colors in this class.
Each: Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.25.

MISCELLANEOUS ANNUALS—Continued

CLEOME—*Pink Queen. (Spider Plant.) 12,000 S. A wonderfully attractive and extra large flowered strain of the old Spider Plant. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers fading to a clear white as they mature give a distinct and pleasing bi-color effect. Makes a heavy hedge-like row about 4 ft. tall and 3 to 4 ft. across. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75.

COBAEA—SCANDENS. 375 S. A fine, strong growing, annual climber.

Purple. The preferred color. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

COLEUS—3,500 seeds per ½ oz. Our greenhouse grown Coleus has gained wide favor with all who have grown it. Many use these strains in preference to cuttings because of the almost endless color variation which appeals to their customers. Fine for spring combinations.

***Giant Exhibition Mixture.** An extra large leaved strain with exceptional brilliance of coloring. Tr. pkt., \$1.00; ½ oz., \$2.25; ¼ oz., \$4.00.

***Rainbow Mixture.** Our own strain of smaller leaved Coleus containing many unusual pastel pink and salmon shades as well as striking scarlet and gold combinations. Tr. pkt., 60c; ½ oz., \$1.50; ¼ oz., \$2.50; ⅛ oz., \$4.00; ¼ oz., \$7.00.

Glory of Vichy. A popular strain predominating in the lighter, more golden shades. Tr. pkt., 60c; ½ oz., \$1.50; ¼ oz., \$2.50; ⅛ oz., \$4.00; ¼ oz., \$7.00.

***Ball Copper Giant.** Produces large leaves of a pleasing copper rose shade and comes about 75% true to type. Tr. pkt., \$1.00; ½ oz., \$2.00.

***CORAL FLOWER—**Small bright carmine flowers, freely produced on 24 to 30 in. stems. Grown principally for the small deep coral seed capsules that are really more attractive than the flowers. Fine for filler work in bouquets and easily grown once the quite small seed is germinated. Tr. pkt., 30c; ½ oz., 75c; ¼ oz., \$1.40.

COSMOS—SENSATION. 5000 S. The most satisfactory class of Cosmos to grow for cut flower purposes. Extra large flowered and extremely early, making it suitable for growing outdoors even in northern climates. Our strains as listed below are very true to color.

***Dazzler.** Bright crimson red. This is a marked improvement over strains previously offered. Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.60.

***Pinkie.** Pink.

***Purity.** Extra large flowered pure white.

***Mixture** of above and other shades.

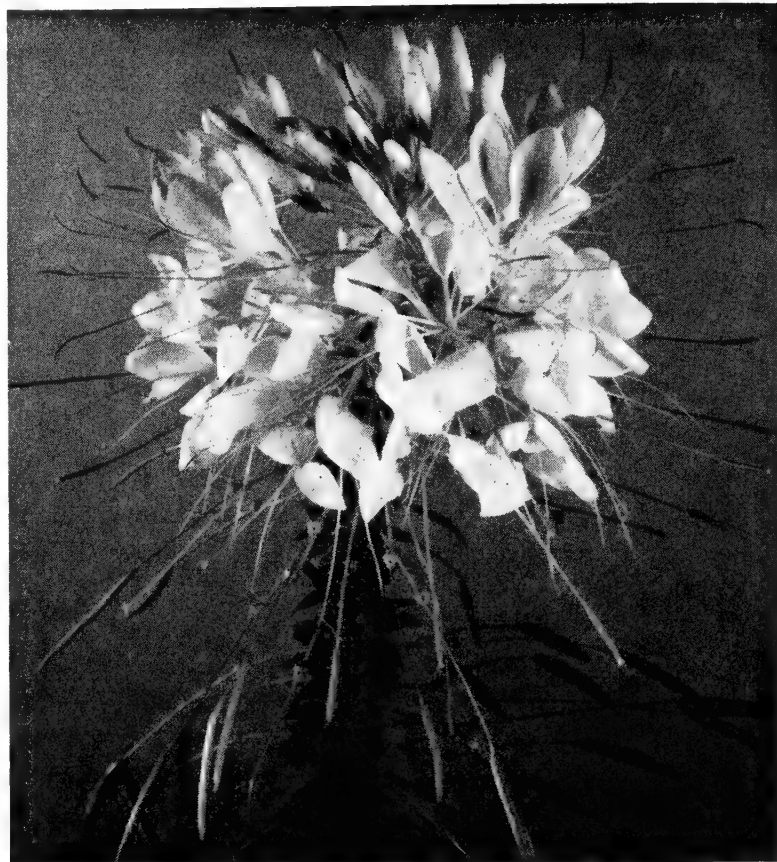
Prices on above (except Dazzler) each: Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.15.

EARLY SINGLE MAMMOTH FLOWERED. 5000 S. Ours are re-selected strains in the standard large flowered class.

Crimson Queen Rose Queen White Queen
Queen Mixture of above colors.
Each: Tr. pkt., 15c; 1 oz., 60c.

EXTRA EARLY DOUBLE ANEMONE-FLOWERED OR CRESTED. 5000 S. Produces around 60% large crested flowers.

Carnelia, crimson; **Peach Blossom,** pink; **Whirlwind,** white; **Mixture.**
Each: Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.25.



Cleome Pink Queen makes a wonderful display.

COSMOS, continued

GIANT FLOWERED LADY LENOX. 5000 S. The extra large flowered late blooming class.

Pink White Mixture
Each: Tr. pkt., 15c; 1 oz., 40c.

HYBRIDA KLONDYKE. 2800 S.

Orange Flare. Very early and free flowering and a fine bright orange. Blooms same time as the Sensation type. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

***Orange Ruffles.** An attractive semi-double; the same bright orange as Orange Flare but even earlier flowering and slightly dwarfer. Blooms very profusely and is uniformly true to type. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.00.

***Yellow Flare.** A bright clear yellow. Similar to Orange Flare in its early and very free flowering habit, and vigorous growth. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.00.

CUPHEA—7000 S. Very attractive and easily grown plants for bedding use.

***Firefly.** Dense, compact plants reaching a height of 12 in. with freely produced small bright scarlet flowers. Also makes an attractive spring pot plant. Tr. pkt., 25c; ½ oz., 70c; ¼ oz., \$1.25.

Avalon Hybrids. Vigorous and dense in growth; about 2 ft. tall. A fairly free flowering mixture of red, pink, lavender and purple shades. Tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.75.

CYCLAMEN—The following varieties are grown for us by a Colorado specialist where dry air and cool temperature are ideal for properly maturing this seed. **Prices shown are net, no cash discount.** 250 of a variety at 1000 rate.

	100 Seeds	1000 Seeds
†No. 1 Dark Blood-Red	\$1.75	\$16.00
†No. 2 Bright Red	1.75	16.00
†No. 3 Pure Rose	1.75	16.00

MISCELLANEOUS ANNUALS—Continued

CYCLAMEN, *continued*

	100 Seeds	1000 Seeds
†No. 4 Soft Rose with carmine eye. (Improved Rose of Marienthal)	\$1.75	\$16.00
†No. 5 White with carmine eye	1.75	16.00
†No. 6 Pure White	1.75	16.00
†No. 7 Bonfire. Brilliant salmon	2.25	20.00
†No. 8 Salmon-Scarlet. (America Imp.)	2.30	21.00
No. 9 New Salmon-Rose Imp.	Sold Out	
†No. 10 Glory of Wandsbek. (Perle of Zehlendorf.) Dark salmon	2.20	18.00
†No. 11 Rose of Zehlendorf. Light salmon	2.20	18.00
No. 12 Orange Beauty. Orange-vermilion	Sold Out	
No. 14 Morning Red	2.20	18.00
†No. 16 Saffron Red-Silver Edged	2.25	20.00
No. 17 Striped Varieties Mixed	2.20	
No. 18 Mozart. Deep Pink	2.30	21.00
†No. 19 Lavender	1.75	16.00
No. 21 Pink Pearl. Salmon-Pink	2.30	
†No. 22 Baardse Wonder. Salmon with white border	2.25	20.00
No. 23 Salmon Carmine	2.25	20.00
†Mixture of above colors	1.65	15.00
No. 50 Ruffled Lavender	2.30	21.00
No. 51 Ruffled Salmon	Sold Out	
No. 52 Ruffled White	2.30	21.00
Mixture of ruffled types	2.30	21.00

Varieties marked (†) are also available in Baardse's imported seed at above prices. Minimum quantity 250 seeds.

VOGT'S DOUBLE STRAIN.

We handle only Mr. Vogt's seed of this attractive double type.

Admiration. Salmon rose with shaded eye.

Mixture of all colors in this double class.

Both above priced at: 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00; 1000 seeds, \$25.00.

CYNOGLOSSUM—AMABILE. Chinese Forget-me-not. 5000 S.

***Firmament.** The most intense, clear blue in outdoor annuals; very free flowering. Of fine bushy, compact habit that makes it an excellent bedding plant. Stands hot, dry weather well. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

***Blue Bird.** An improved upright growing type. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

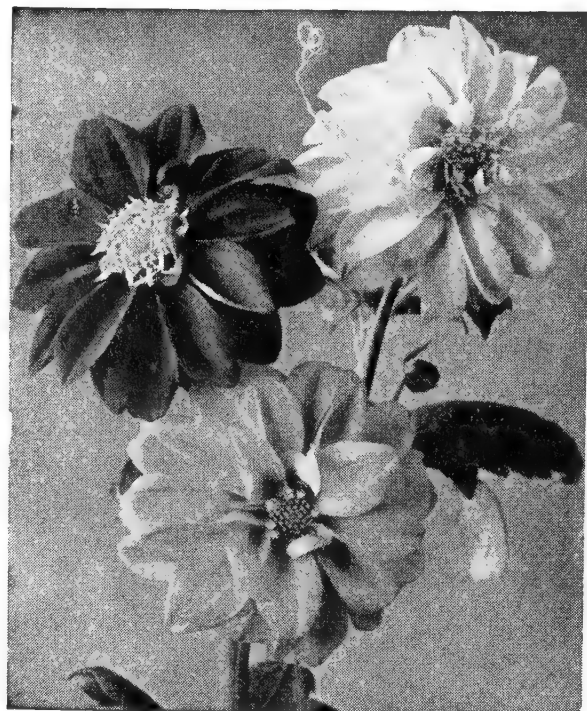
CYPERUS—Alternifolius (Umbrella Plant). 60,000 S. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

DAHLBERG DAISY—An unusually attractive, compact edging plant with airy lace-like leaves. Produces a profusion of small yellow flowers continuously from late spring until frost. Forms a very even row, 6 to 8 in. high and 12 to 14 in. across. Germination somewhat irregular except in spring months. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25; 1 oz. \$8.00.

DAHLIA—2800 S. Seedling strains are enjoying an ever increasing popularity as outdoor bedding stock, especially the dwarf Unwin and Coltness strains. Flowers first season from an early sowing.

***Unwin's Dwarf Hybrids.** Our strain of this popular variety is especially re-selected for evenness of dwarf habit and a wide range of attractive colors in both double and semi-double forms. Seed sown during January will produce saleable 3 to 4 in. flowering pot plants in May. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50; 4 oz. \$7.50.

Giant Flowered Mixed. The originator describes this as a choice tall mixture producing 50% giant double flowers of the very best types and colorings. Outstanding individuals may be propagated thru tubers. Tr. pkt., 50c; ⅛ oz., \$1.65; ¼ oz., \$3.00; 1 oz., \$9.00.



*Dahlia,
Unwin's
Dwarf
Hybrids.*

DAHLIA, *continued*

COLTNESS STRAIN. 18 in. Single. Dwarf and free flowering.

Mixture of all colors. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

For Perennial Dahies, see page 39.

DELPHINIUM—See page 21.

DIANTHUS 25,000 S.—Annual Sweet William. (D. barbato-sinensis.) 12 in. Single mixed. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

***Sweet Wivelsfield Single Mixed.** 12 in. Probably the most popular of the annual Dianthus. Free flowering and brilliantly colored. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Sweet Wivelsfield Double Mixed. Same as above but most flowers either semi or double. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Westwood Beauty (D. Heddensis). This new Dianthus, the result of a cross between D. Heddewigi and D. Chinensis, produces large 2 in. single flowers in shades of red on long stems. Somewhat more resistant to heat than ordinary Dianthus. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

HEDDEWIGI. (Double Pinks). 10 in. Fine for rock garden and border work.

***Gaiety.** Large showy fringed flowers. Colors range from pure white to crimson and are attractively zoned. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.35.

***Fireball.** Deep scarlet.

Pink Beauty. Blush-pink.

***Snowdrift.** Extra large flowered pure white.

Imperator Mixture of all colors in this double class.

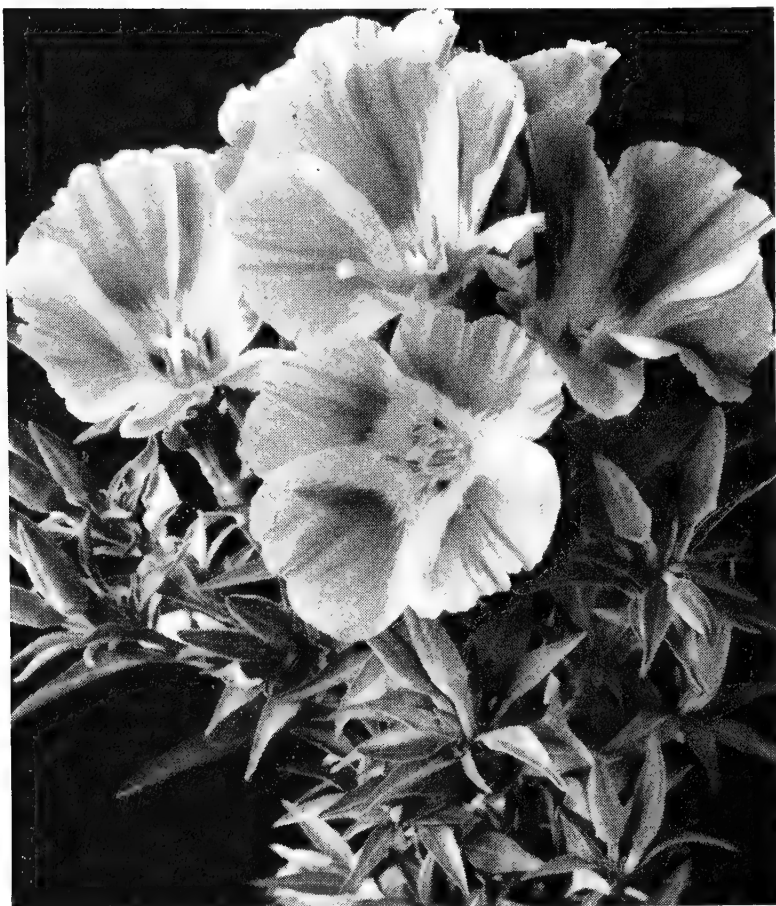
Laciniatus Splendens. Single. Brilliant crimson; white eye. Prices on the above five, each: Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

For Hardy Dianthus, including Latifolius Atroc., see page 39.

DIDISCUS—Coeruleus. (Blue Lace Flower.) 10,000 S. Freely produces small (1½ to 2 in.) heads of light bluish lavender flowers. Useful for spring forcing or outdoors in cool climates. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

DIMORPHOTHECA—Aurantiaca Hybrids Mixed. 9500 S. 6 to 10 in. 2 in. single daisy-like flowers in bright yellow, buff and orange shades. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

MISCELLANEOUS ANNUALS—Continued



Godetia makes an excellent greenhouse cut flower.

DRACAENA—Indivisa. 1500 S. The narrow-leaved and most popular variety. Tr. pkt., 15c; 1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.00.

Australis. 1000 S. The broader-leaved kind. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

For **Dusty Miller**, see *Cineraria*, page 25, and *Centaurea*, page 25.

ECHIUM—Blue Bedder. 6500 S. 12 in. Very early blooming annual producing tiny bell-shaped blue flowers thruout the summer until frost. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

ESCHOLTZIA—Aurantiaca. 20,000 S. 1 ft. The true California Poppy. Rich orange. Tr. pkt., 15c; 1 oz., 50c.

For **Bush Escholtzia**, see *Hunnemannia*, page 29.

EUPHORBIA—Variegata. 2500 S. The popular Snow-on-the-mountain. Tr. pkt., 15c; 1 oz., 50c; 1 lb., \$4.00.

Heterophylla. (Annual Poinsettia or Mexican Fire Plant.) 5000 S. 36 in. Makes small Poinsettia-like formations at tips of branches. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

For the **Hardy Euphorbias**, see page 40.

EXACUM—Affine. 27,000 S. per ½ oz. An easily grown, neat, and attractive pot plant. Richly fragrant violet-blue flowers. Very fine seed. Tr. pkt., \$1.00.

FELICIA—Bergeriana (King Fisher Daisy). 150,000 S. The dwarf blue daisy for pot plants. 6 in. Germination sometimes slow and irregular. Tr. pkt., 35c; ¼ oz., \$1.00.

FREESIA—1000 S. Seed sown in May will produce bulbs by September which will bloom the following January with good blooms and stems.

Refracta Alba. Pure white. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.00.

FREESIA, continued

Rainbow Hybrids. Attractive mixture including blues, yellows and reddish shades. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

For **Forget-Me-Nots**, see *Cynoglossum*, page 27, and *Myosotis*, page 31.

GAILLARDIA—PICTA. 14,000 S. Annual Gaillardia. Fine free flowering brightly colored material for beds or borders.

***Indian Chief.** 12 to 15 in. An even and very free flowering single strain with solid red flowers.

Lorenziana Double Mixed. 12 in. Quite attractive and free flowering double strain of orange, yellow, red and rose shades. Prices on above two, each: Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

***Sunshine Double Mixed.** Fully double flowers about 2½ in. across are carried on strong stems 16 to 18 in. long. Attractive shades of wine red, yellow and bicolor red and yellow. In our outdoor trials this past summer, this was in continuous heavy production thruout the season. Retail growers will find this a valuable and easily grown source of summer cut flowers. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

For **Perennial Gaillardia**, see page 40.

GERANIUM—Zonale. An attractive mixture of single types in shades of white, pink, salmon and red. Easily grown from seed. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50.

GERBERA—Jamesoni Hybrids. A long lasting and valuable greenhouse forcing crop. All colors are represented in this choice mixture of large daisy-like flowers. 100 seeds, 40c; 1000 seeds, \$3.00.

GLOXINIA—2500 seeds per ½ oz. Sow in January for blooming plants in 4 inch pots during June and July. All Gloxinia seed is very fine and must be handled carefully.

***Panzer Strain.** This strikingly beautiful velvety scarlet Gloxinia comes almost completely true from seed. Originated by one of the leading Pacific Coast pot plant growers. Tr. pkt., \$1.00; 6 pkts., \$5.00.

Formula Mixture. Made up of choice named separate color varieties. Do not confuse this with cheap seed mixtures grown as such. Tr. pkt., \$1.00; 6 pkts., \$5.00.

GODETIA—45,000 S. Should be grown in flats or shallow benches for greenhouse culture. Handle about like *Clarkia*.

UPRIGHT SINGLE. This class is especially attractive and much grown for greenhouse cut flowers.

***Duke of York.** Bright carmine and white.

***Kelvedon Glory.** Rich apricot.

***Purity.** A clear white.

Mixed.

Prices on the above varieties and Mixture, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

TALL DOUBLE GRANDIFLORA.

Mixture of colors in the Tall Double class. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

DWARF DOUBLE AZALEA FLOWERED.

***Sybil Sherwood.** 18 in. Bright salmon-pink, edged white. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

GOMPHRENA (Globe Amaranth)—5500 S. An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates.

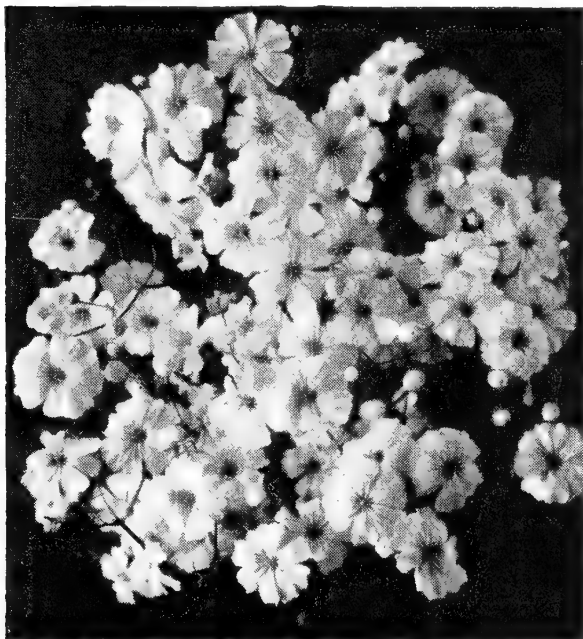
GLOBOSA. Round, ball shaped flowers.

Rubra. 30 in. Magenta Purple. A bright deep shade.

Mixture of colors.

Prices on the above two, each: Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

MISCELLANEOUS ANNUALS—Continued



Gypsophila Covent Garden Market, a widely used Baby's Breath.

GOMPHRENA, continued

***Buddy.** Dwarf compact plants with small ball-shaped flowers of bright reddish purple. Fine for bedding, pot plants or combination boxes. Better have some of this. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

ORNAMENTAL GOURD—SMALL VARIETIES. 450 S. All are easily grown and, when properly dried and varnished, last indefinitely.

***La Montagne Strain.** 475 S. The finest selected strain of mixed Gourds we have tried. We handle originator's seed. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

Spoon. More or less spoon-shaped. Orange and white striped. 4 to 6 in. long by 1 in. wide.

Warted Types Mixed. Not over 4 in. in diameter. Prices on above two Each: Tr. pkt., 15c; 1 oz., 50c.

GREVILLIA—Robusta (Australian Silk Oak). 3000 S. Seed sown in early spring and grown in a temperature of 60° will make nice 5 in. pot specimens by fall. Because it holds its foliage well, is being used with Poinsettias instead of Asparagus. Tr. pkt., 20c; ¼ oz., 60c; 1 oz., \$1.80.

GYPHOPHILA—ELEGANS. (Baby's Breath.) 24,000 S. We offer with confidence the following strains as the most uniform available. Altho the larger flowered varieties are attractive and fine, the smaller flowered ones outlast them for bouquet work.

***New York Market.** A fine pure white variety. Outstanding for its large extra petaled flowers and strong growth. 1 oz., 35c; 4 oz., 90c; 1 lb., \$2.75; 5 lb., \$11.00.

***Covent Garden Market.** A very excellent strain with large and full-petaled flowers, about 75% of which have 6 to 8 petals. 1 oz., 25c; 4 oz., 75c; 1 lb., \$2.25; 5 lb., \$8.50.

***Paris Market.** Smaller flowered than the above stock. Holds up well. 1 oz., 25c; 4 oz., 70c; 1 lb., \$2.00; 5 lb., \$8.00.

Carminea. Same as Paris Market except a bright carmine pink. Tr. pkt., 15c; 1 oz., \$1.20; 4 oz., \$4.00.

Crimson. Darker selection of the above. Tr. pkt., 15c; 1 oz., \$1.20.

For Hardy Gypsophila, see page 40.

HELIANTHUS (Sunflower). 650 S.—***Sungold.** Of uniform medium height (4 to 5 ft.) with practically 100% fully double, golden yellow Chrysanthemum-like flowers about 4 in. across. Sow outdoors in May for August blooming. Retail growers will find this a valuable summer cutflower. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c;

HELICHRYSUM—MONSTROSUM. 36,000 S. The most popular double strawflower. Widely used for drying.

Canary-Yellow	Fireball (Scarlet)
Golden Globe	Rose Queen
	Formula Mixture
Each: Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.	

HELIOTROPE 50,000 S.—***Dwarf Regale Mixture.** 15 in. A fine, even, clear colored strain with extra large flower heads. Richly fragrant. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.25.

Lemoine's Giant Mixture. 24 to 30 in. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

HOLLYHOCK (Annual)—**Indian Spring.** 13,000 S. 4 to 5 ft. Starts to bloom 5 months from seed sowing and continues until frost. Semi-double light pink and rose flowers are borne mostly on central spike. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

HUNNEMANNIA—FUMARIAEFOLIA. 8000 S. (Bush Escholtzia).

***Sunlite.** Brilliant Canary-yellow, semi-double. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.65.

Single Yellow. Tr. pkt., 15c; 1 oz., 60c.

For Hardy Iberis, see page 40.

IMPATIENS—One of our most valuable plants for bedding under shady conditions. The dwarf types are also widely used for spring pot plants.

Holstii Hybrids. 55,000 S. Mixture of taller growing sorts. Tr. pkt., 50c; ½ oz., \$1.00.

Dwarf Sultani Mixture. 70,000 S. Dwarf types in mixed colors. Choice plants may be cutting propagated. Tr. pkt., 50c; ½ oz., \$1.00.

IPOMOEA (Moonflower or Morning Glory.) The three varieties immediately following are the most popular in their colors.

***Crimson Rambler.** A fine large flowered bright carmine red with attractive white center. Vigorous and free flowering. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

***Pearly Gates.** A fine clear white Morning Glory with slight cream shading in throat. Similar to the popular Heavenly Blue in habit but not quite as early flowering. Tr. pkt., 35c; ¼ oz., 45c; 1 oz., \$1.40; 4 oz., \$5.00.

***Heavenly Blue.** 800 S. Clark's Mammoth Early Free Flowering Strain. The popular sky blue shade that is a solid sheet of vivid color all summer. Can be forced into flower for spring sales in 3 or 4 in. pots from a sowing made 8 to 10 weeks previously. Tr. pkt., 20c; 1 oz., 65c; 4 oz., \$2.00.

White Magic. A very fine cream-throated white. Quite similar to Pearly Gates in our trials. May show differences in other localities. Tr. pkt., 35c; ¼ oz., 45c; 1 oz., \$1.40; 4 oz., \$5.00.

Cornell. A large flowered bright Carnelian red with white edge. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

Scarlett O'Hara. 650 S. Brilliant carmine-red variety. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.00.

Rose Marie. 1100 S. Double deep rose. Quite free and early flowering. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

Quamoclit (Cardinal Climber). 1000 S. Small red flowers freely produced. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

NOCTIFLORA. 110 S. Large flowered white moonflower.

Black-Seeded	White-Seeded
Each: Tr. pkt., 15c; 1 oz., 40c; 4 oz., \$1.35; 1 lb. \$4.00.	

MISCELLANEOUS ANNUALS—Continued

KALANCHOE—*Tom Thumb. A dwarf compact strain of this popular succulent. Produces perfectly rounded symmetrical plants literally covered with bright scarlet flowers. A Jan. or Feb. sowing will provide fine 4 in. specimens for next winter's sales. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$5.00; $\frac{1}{32}$ oz., \$9.00.

Globulifera Coccinea. The original rather tall growing Kalanchoe. Should be handled the same as the above variety but its stronger growth will produce larger plants. Tr. pkt., 60c; $\frac{1}{64}$ oz., \$1.60.

***Brilliant Star** (New 1947 Introduction). This new hybrid Kalanchoe makes a fine pot plant producing flowers 3 times the size of the common varieties and of a brighter fiery red color. The attractive foliage is restricted to the base of the plant, permitting the development of clean stems about 7 inches long which are suitable for cutting, especially if benched. While we have not had a chance to flower this in our greenhouses, plants inspected in Europe this past fall gave promise of being an excellent new addition to the grower's list of pot plants. Tr. pkt., \$1.50.

KOCHIA (Summer Cypress). 45,000 S.—**Childsii.** 24 in. Stays a clean fresh green thruout the entire season. Very attractive dense bushes. Tr. pkt., 10c; 1 oz., 25c.

LANTANA 1300 S.—**Dwarf Hybrids Mixed.** 12 in. Must be sown early and with bottom heat. Tr. pkt., 25c; $\frac{1}{4}$ oz., 55c; 1 oz., \$1.80.

LARKSPUR—see page 19.

LAVATERA—Loveliness. 4500 S. (Splendens) Very attractive early flowering annual, with 2 in. Hollyhock-like single flowers of a deep salmon rose shade. Tr. pkt., 15c; $\frac{1}{4}$ oz., 30c; 1 oz., \$1.00.

LEPTOSYNE—Stillmanii. 25,000 S. 18 in. Nice golden yellow for cutting. Flowers 6 to 8 weeks from seed. Tr. pkt., 15c; $\frac{1}{4}$ oz., 30c; 1 oz., \$1.00.

LINARIA—MAROCANNA. (Miniature Snapdragon).

Fairy Bouquet. 600,000 S. 10 in. Flowers very early and freely. Bright mixture of colors. Tr. pkt., 20c; $\frac{1}{4}$ oz., 45c; 1 oz., \$1.50.

LOBELIA—700,000 S. Where protection from direct sun can be given them and in not too hot climates, Lobelia are unsurpassed for bright blue and white edging, hanging and trailing work. All varieties come quite true.

COMPACTA. 6 in. Of dwarf compact habit.

***Blue Gown.** Standard free flowering deep blue. Very fine.

Cambridge Blue. Very dwarf, restricted, light blue.

***Crystal Palace.** Very dwarf deep blue with dark bronzy green foliage. A fine standard variety.

Emperor William. Deep blue with light green foliage.

***Mrs. Clibran Imp.** Deep blue with contrasting white eye and light foliage.

White Lady. Clear glistening white.

Prices on above six varieties: Tr. pkt., 25c; $\frac{1}{4}$ oz., 85c; 1 oz., \$3.00.

Mixture of all colors in the compacta class. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.

PENDULA. Of trailing or pendulous habit.

***Hamburgia.** Deep blue with dark green foliage. Tr. pkt., 35c; $\frac{1}{8}$ oz., 85c; $\frac{1}{4}$ oz., \$1.50.

Sapphire. Deep blue with white eye. Light green foliage. Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00.

For Perennial Lobelia, see page 41.



Kalanchoe Brilliant Star is new and valuable.

LUPINE—A good spring crop of the annual type can be flowered in 3 in. pots from a Jan. sowing spaced close so as to flower one spike to a plant. We prefer the Giant Kings.

GIANT KING. 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegii.

***Oxford Blue.** Standard rich deep blue.

Sky Blue

Heliotrope. A pleasing rosy purple shade.

White

Mixture of above colors.

Each: Tr. pkt., 20c; 1 oz., 80c; 4 oz., \$2.65; 1 lb., \$8.00.

HARTWEGII. 1400 S. The standard cut flower strain.

Dark Blue, Roseus, Sky Blue, White, Mixture

Each: Tr., pkt., 15c; 1 oz., 75c; 4 oz., \$2.25

For Perennial Lupine Polyphyllus, see page 41.

MARIGOLDS—See pages 12 and 13.

MARVEL OF PERU—(Mirabilis Jalapa). 325 S.

Dwarf Mixture. A uniformly dwarf (18 to 20 in.) strain of old fashioned "Four O'Clocks," Well adapted for bedding or border work and will do nicely under adverse growing conditions. Fine range of bright colors. Tr. pkt., 15c; 1 oz., 40c.

MIGNONETTE—27,000 S. May be sown in January for spring cutting.

***Ball Strain.** Considerably whiter and 2 to 3 weeks earlier than New York Market. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; $\frac{1}{4}$ oz., \$1.75.

New York Market. A standard cut flower strain. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$1.50.

MACHET. For summer bedding.

Golden Goliath.

Goliath Red

Each: Tr. pkt., 15c; $\frac{1}{4}$ oz., 30c; 1 oz., \$1.00.

MIMOSA—Pudica (Sensitive Plant). 4500 S. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

MISCELLANEOUS ANNUALS—Continued

MYOSOTIS (Forget-me-not)—***Ball Early**. 44,000 S. Free flowering, spring blooming plants of this always popular bright blue flower can be had from a sowing made as late as Jan. Our early flowering strain should not be confused with the other types listed with the perennials. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

For other *Myosotis*, see perennial list, page 41.

NASTURTIUM—Richly colored, fragrant flowers freely produced on long stems explain why the Double Gleam Type has become so popular with florists almost everywhere. No retail grower should be without them in the spring for combinations, window boxes and cut flowers.

DOUBLE GLEAM TYPE. 175 S. Of trailing or climbing habit. Vigorous growers; fine for cutting or window boxes.

***Golden Gleam**. The original Gleam Nasturtium; golden yellow.

***Scarlet Gleam**. Same as above but a brilliant scarlet.

***Gleam Hybrids**. A brilliant mixture of all double varieties. Prices on all the above varieties: 1 oz., 25c; 4 ozs., 70c; 1 lb., \$2.40.

DWARF DOUBLE TYPE. 175 S. Fully as double and large as the Gleam type, the following varieties are of a very attractive dwarf compact, rounded growth. 12 to 15 in. high.

***Golden Globe**. Same color as Golden Gleam.

Scarlet Gem. Brilliant scarlet.

Mixture of all colors in this dwarf class.

Prices on all the above varieties, each: 1 oz., 30c; 4 ozs., 90c; 1 lb., \$2.75.

SINGLE VARIETIES. 225 S.

Dwarf Mixture of all colors in the dwarf class.

California Giant Single Mixture of colors in the tall, trailing class.

Prices on the above two varieties, each: 1 oz., 20c; 4 ozs., 65c; 1 lb., \$2.25.

NEMESIA (*Strumosa* Suttoni) 90,000 S.—**GRANDIFLORA**. Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work.

Mixture of all colors in this tall class. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

NANA COMPACTA. Of more dwarf habit, 6 to 8 in. Branches freely from the base, making attractive rounded specimens. Excellent for pots and short combination work.

Triumph Mixed. A very attractive mixture with a wide range of well balanced colors. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

NICOTIANA (Flowering Tobacco)—275,000 S. Sweet scented.

***Suaveolens**. 18 in. A dwarf and compact small flowered white. Tr. pkt., 25c; ¼ oz., 85c.

AFFINIS

***Crimson Bedder**. 15 in. Makes a very compact growth and very free flowering. Deep crimson red. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

White. 36 in. Tall and large flowered. Tr. pkt., 15c; 1 oz., 60c.

Hybrids Mixture. A hybrid mixture of many shades in the tall large flowered type. Tr. pkt., 15c; 1 oz., 60c.

NIEREMBERGIA 5,500 S. per ½ oz.—***Purple Robe**.

In depth and richness of color this striking bluish-lilac variety represents a great improvement over the original *N. Hippomanica* (*Coerulea*). Retains its brilliance without fading under strong summer sun and is uniformly dwarf and compact in habit. Tr. pkt., 50c; ½ oz., \$1.65; ¼ oz., \$3.00.



Nierembergia Purple Robe blooms all summer.

NIGELLA (*Damascena* Double) 11,000 S.—**Miss Jekyll** (Love-in-a-mist). Cornflower-blue. Tr. pkt., 25c; 1 oz., \$1.00.

Mixture. Contains shades of light and dark blue and white. Tr., pkt., 15c; 1 oz., 60c.

PANSIES 25,000 S.—A January sowing of both Pansies and Violas will make nice flowering plants to sell out of flats or in made-up pans in late spring and early summer.

***Ball Giant Mixture**. Our well-known, excellent all-purpose mixture. We use the finest strains available of Swiss or Roggli giants, adding separate colors to insure a well-balanced color blend. Our finest bedding Pansy strain. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

***Ball Giant Mixture Dwarf Strain**. A fine Roggli or Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

***Maple Leaf Giants**. Our best extra large flowered strain. Heavy growth with good stems. Tr. pkt., 60c; ⅛ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$9.00.

***Englemann's Giant Mixture**. An excellent, large flowered strain with a bright and complete color range. Fairly compact growth. We offer originator's seed only. Tr. pkt., 75c; ¼ oz., \$3.75; 1 oz., \$12.00.

Roggli Giant Mixture. A fine bedding strain, predominating in rich red and bronze shades. We supply only the originator's imported seed as follows: Tr. pkt., \$1.25; ⅛ oz., \$2.50; ¼ oz., \$4.50; 1 oz., \$15.00.

Geneva Giants. A choice American selected strain of Swiss Giants. Tr. pkt., 75c; ¼ oz., \$2.75; 1 oz., \$9.00.

Dwarf Geneva Giants. A compact growing selection of the above. Tr. pkt., 60c; ⅛ oz., \$1.25; ¼ oz., \$2.50; 1 oz., \$8.00.

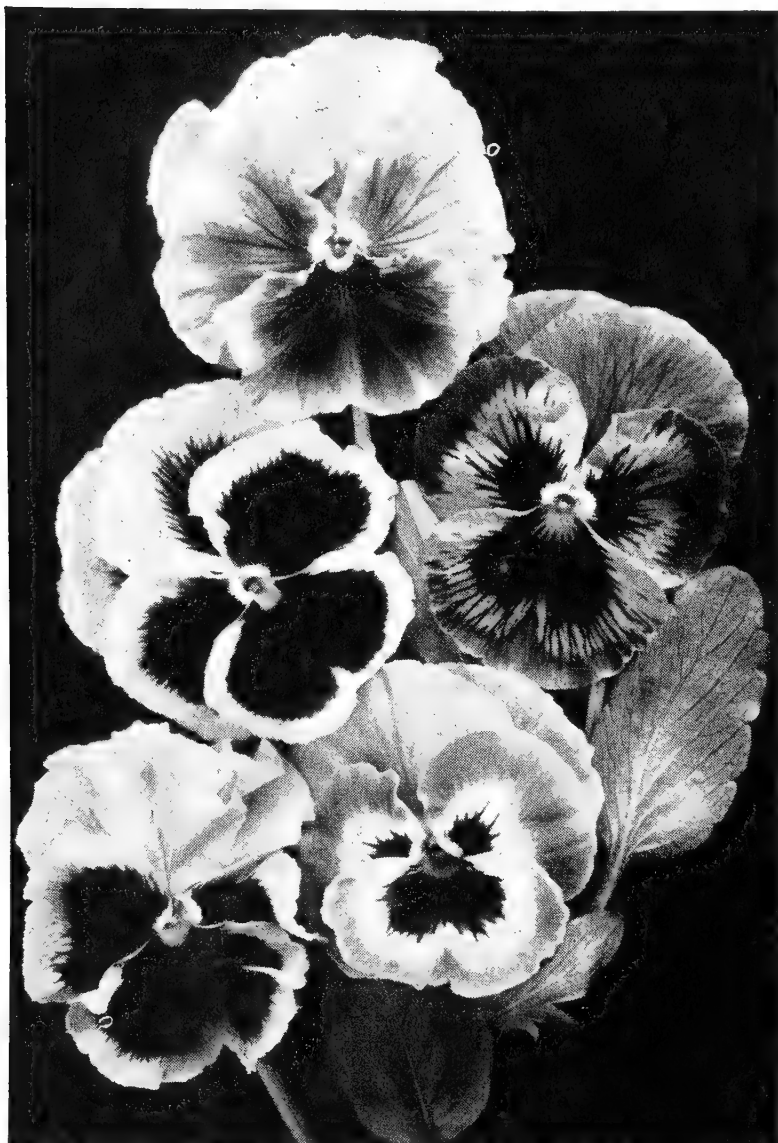
Canadian Giants. An excellent, extra large flowered selection from Maple Leaf Giants. Tr. pkt., 90c; ⅛ oz., \$1.75; ¼ oz., \$3.00; 1 oz., \$10.00.

Steele's Jumbo Mixture. We handle the originator's seed only of this popular American strain. Tr. pkt., \$1.00; ⅛ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$16.00.

Improved Swiss Giants. Predominates in rich bronze and red shades. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00.

America. An exceptionally free flowering mixture of choice colors. Dwarf and extra early. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$9.00.

MISCELLANEOUS ANNUALS—Continued



A January Pansy sowing will flower nicely in late spring.

PANSIES, *continued*

***Ball Winter Flowering.** A tall growing winter cut-flower variety; at its best from a late summer sowing. Not for bedding. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.75.

SWISS GIANTS IN SEPARATE COLORS

Firebeacon. Brick red.

***Coronation Gold.** The finest clear yellow.

***Lake of Thun.** A fine, large flowered medium blue with darker center.

Alpenglow. Rich garnet red.

Rhinegold. Large flowered yellow with dark center.

Mt. Blanc. Best clear white in the large-flowered Swiss type.

Prices on all above Swiss separate color varieties, each: Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

Giant Orange. A rich light orange; similar in color to Viola Apricot. Originator's pkt., \$1.00.

PENTSTEMON (Beard Tongue) 55,000 S.—**Sensation Mixture.** Tr. pkt., 35c; $\frac{1}{4}$ oz., 80c.

PETUNIAS—See Pages 3 to 7.

PHLOX DRUMMONDI—14,000 S. For the first time in several years we are able to offer our fine imported Phlox strains in separate color varieties. Growers will welcome back this popular and showy bedding annual.

GRANDIFLORA. 15 to 18 in. Fine, free flowering bedding and border material. Also nice for cutting.

***Chamois Rose.** Soft pastel chamois with white center.

***Cinnabar.** Brick red with dark eye.

Coccinea. Fiery red.

Isabellina. Creamy yellow.

Lilac. A pleasing shade, with white eye.

***Rosea.** Medium rose pink with dark center.

Violet. Try this with white or yellow.

***White.** A clear, even white.

Prices on above varieties, each: Tr. pkt., 35c; $\frac{1}{4}$ oz., 80c; 1 oz., \$2.40.

Special Mixture of all colors in this tall class. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

Cuspidata Mixture (Star of Quedlinburg). A bright mixture of novel star shaped flowers. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

GRANDIFLORA CIGANTEA. Somewhat stronger in growth and larger flowered than the above.

***Red Glory.** A bright scarlet red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose pink with large white eye.

Salmon Glory. Rich soft salmon-rose with creamy white eye.

Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.

Prices on above 3 varieties and Mixture: Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.00.

NANA COMPACTA. 6 to 8 in. Of dwarf compact growth, fine for low bedding and border work.

***Fireball.** A real fiery crimson.

Sky Blue. Clear soft blue with white eye.

***Snowball.** Good clear white.

Violet. An attractive, rich color.

Prices on above varieties, each: Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.00.

Mixture of all colors in this dwarf class. Tr. pkt., 30c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.80.

***Cecily Mixed.** A very popular semi-dwarf mixture. Tr. pkt., 30c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.80.

For Pinks, see Dianthus, page 39.

PINK AND WHITE DAISY (Aphanostephus Skirrobasis).

This vigorous growing plant blooms all summer and makes a wonderful show for bedding. The grayish-green foliage is well covered with dainty daisy like flowers about $1\frac{1}{2}$ in. across. Buds open blush pink turning clear white when fully open, with contrasting yellow eye. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.25.

POPPY—Iceland (P. Nudicaule). 250,000 S. The standard type for greenhouse spring forcing. Sow either direct or in pots and transplant.

The Emperor. Brilliant orange. Fine flower size and long stiff stems. Tr. pkt., 25c; $\frac{1}{4}$ oz., 85c.

***Sanford's Giants.** A fine standard Hybrid strain. Brilliant color mixture. Tr. pkt., 25c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.25.

SHIRLEY (P. Rhoeas). 70,000 S.

Formula Mixture of all colors in the single Shirley class. Tr. pkt., 15c; 1 oz., 50c.

For Oriental Poppies, see perennial list page 41.

MISCELLANEOUS ANNUALS—Continued



Sow Primula Obconica in March for Christmas pot plants.

PORTULACA—280,000 S. Very excellent, easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

Single Mixture. Tr. pkt., 20c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.25.

***Double Mixture.** Special mixture of brilliant colors. Produces 85 to 90% true double flowers. Tr. pkt., 30c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.50.

PRIMULAS—Both the Malacoides and the Obconicas are widely grown for sale as finished pot plants. In addition the Malacoides class is much used in the smaller sizes for spring combination work.

MALACOIDES. 12,000 seeds per $\frac{1}{32}$ oz. Seed may be sown from May until October for spring blooming in various sizes. Malacoides are easily grown after they get started, but they will **not tolerate fertilized soil in the seed flat or early stages of growth.** We believe this is responsible for most failures, as all our seed is soil tested regularly for germination and we know it will grow if given a chance.

THE FOLLOWING FROM OUR OWN GROWING:

No. 31 Riverside Red Rose. Deep rose pink. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

No. 32 Glory of Riverside Imp. An excellent variety with beautiful salmon-rose flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

No. 33 New Giant. Large flowered, late blooming salmon-rose. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75.

No. 38 Peachblossom. Shades of soft creamy pink; varies some. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75.

No. 39 Lilac Beauty. Shades of soft lilac. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75.

No. 41 White Giant. Pure white; large flowers and heavy stems. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75.

No. 42 Pure White Imp. Somewhat smaller but earlier and freer flowering than the above. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75.

No. 43 Brilliancy. Flowers open lavender—turn to dark velvety red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., 2.75.

PRIMULAS, continued

No. 51 Mrs. Eriksson of Riverside. Large flowers of deep rose red on compact plants of medium height. The brightest color in "Baby Primroses." Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$3.50; $\frac{1}{32}$ oz., \$6.50.

No. 60 Rosea Superba. Strong growing bright rosy orchid. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

No. 61 Springtime. Similar to Glory of Riverside but dwarfer in growth. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75.

No. 50 Mixture. Our own balanced formula mixture. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

THE FOLLOWING IN MR. ERIKSSON'S PACKETS:

See above for color descriptions.

No. 2 Glory of Riverside Imp. 500 seeds, \$1.25; 2000 seeds, \$4.00.

No. 3 Eriksson's New Giant. 500 seeds, \$1.25; 2000 seeds, \$4.00.

No. 5 New Baby Improved. Large flowered, deep wine red. 800 seeds, \$1.25; 2000 seeds, \$3.00; 6000 seeds, \$8.00.

No. 8 Peachblossom. 500 seeds, \$1.25; 2000 seeds, \$4.00.

No. 9 Lilac Beauty. 500 seeds, \$1.25.

No. 11 Eriksson's White Giant. 500 seeds, \$1.25; 2000 seeds, \$4.00; 6000 seeds, \$10.00.

No. 12 Eriksson's Pure White Imp. 800 seeds, \$1.25; 2000 seeds, \$3.00; 6000 seeds, \$8.00.

No. 21 Mrs. Eriksson of Riverside. 500 seeds, \$1.25.

No. 20 Eriksson's Special Mixed. Some of all the originator's varieties. 800 seeds, \$1.25; 2000 seeds, \$3.00; 6000 seeds, \$8.00.

OBCONICA. 4000 seeds per $\frac{1}{32}$ oz. This brightly colored class excels all other Primulas in large flower size. Sow from January on for Christmas and later.

***Fasbender's Red.** An outstandingly fine extra large flowered deep crimson red.

Mohnstein's Atrosanguinea. (Dark Red.) Popular deep red.

***Mueller's Berlin Rose.** (Mueller's Rosea.) Soft medium rose. Heavy compact plants and large flowers.

Lachsrosa. Salmon rose shades.

***Coerulea.** Clear mid-blue. A choice strain.

White. Rather tall growth.

***Formula Mixture.** Carefully blended from above colors.

Prices on each above varieties: Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25.

Wyaston Wonder. A special selection of this famous English variety. Vigorous growing, large flowered bright crimson. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.

CHINENSIS (Chinese Primula). A popular class with many retail growers but wholesale growers find they shatter some when much handling or shipping is necessary.

***Dazzler.** Vivid orange; an outstanding color. Tr. pkt., \$1.50; $\frac{1}{32}$ oz., \$5.60.

Special Mixture. A choice assortment of colors. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$3.60.

For Hardy Primulas, see page 41.

QUEEN ANNE'S LACE FLOWER—36,000 S. 24 in. Large heads of white flowers in umbels, similar to Didiscus. Nice filler for basket work. Tr. pkt., 20c; $\frac{1}{4}$ oz., 30c; 1 oz., \$1.00.

RANUNCULUS—Giant Mixed. Double flowers in shades of yellow, orange and red. Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.50.

MISCELLANEOUS ANNUALS—Continued



We annually check all Salvia strains in our outdoor trials.

RICINUS (Castor Bean).—Very fast growing, tall, large leaved plants. Good for tall hedges and windbreaks.

Crimson Spire. 75 S. 8 ft. Crimson stems and foliage with red fruit. 1 oz., 40c; 4 oz., \$1.40; 1 lb., \$4.20.

Borboniensis Arboreus. 45 S. 10 ft. Reddish stems and veins. Small feathery white flowers in bunches.

Zanzibariensis Mixed. 25 S. 10 ft. Foliage all green.

Prices on the above two: 1 oz., 20c; 4 ozs., 60c; 1 lb., \$2.00.

RUDBECKIA—85,000 S. Fine outdoor cutting material. Very free flowering in bright yellow, orange and brown shades.

***Starlight.** The only Rudbeckia strain we have seen that actually produces fully double, Dahlia-like flowers. An attractive mixture of autumn shades flowering on long stems; flower type ranges from nearly single to fully double. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$3.00.

Hirta Autumn Tints (Herbswald). Fine long-stemmed strain for cutting. Shades from clear yellow thru variegated types to brown. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

Kelvedon Star. Fine long-stemmed cutting strain. Yellow, orange and mahogany shades with dark centers. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

For the hardy Rudbeckia Purpurea, see page 42.

SALPIGLOSSIS—125,000 S. Salpiglossis furnishes the retail grower with good cutting material either from a Feb. sowing indoors or a later one grown outdoors.

EMPEROR. 30 in. The tall kind for cutting. ***Mixture** of all colors. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

DWARF GIANT FLOWERED. 20 in. Fine for bedding and borders. Mixture of all colors in this dwarf class. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.

Costly BACK ORDERING means time lost in starting crops. Rather than keep you waiting for items that are delayed or scarce we will substitute with varieties **EQUALLY GOOD OR BETTER** unless you say "No Substitute."

SALVIA—Michrophylla (Baby Salvia). This dainty plant is a separate species from the Splendens varieties listed below, having small brilliant red flowers carried on plants with contrasting dark olive green foliage. Uniform in growth; 14 to 16 in. Excellent for bedding where summers are cool, but shatters badly in hot climates. Also makes a very satisfactory winter-flowering pot plant. Tr. pkts. only, 75c.

SPLENDENS (Scarlet Sage). 12,000 S. This strikingly colorful annual is popular wherever bedding plants are grown. The following are listed according to their flowering dates—earliest first. In selecting varieties, keep in mind the fact that earliness is had at some cost in vigor and the earlier varieties will not make as big a showing in late summer and fall as the later ones like Bonfire or Splendens Tall.

***St. John's Fire.** The earliest and most dwarf red strain available. About 12 in. high. Tr. pkt., 75c; ⅛ oz., \$1.40; ¼ oz., \$2.50.

***Blaze of Fire.** The standard extra early strain. Closely follows St. John's Fire in flowering and is somewhat stronger and more robust in growth. 14 to 16 in. Tr. pkt., 75c; ¼ oz., \$2.00; 1 oz., \$6.00.

***Firebrand** (Early Harbinger). 18 in. Between Blaze of Fire and America in earliness of flowering. Remains in full flower throughout the summer. Tr. pkt., 60c; ¼ oz., \$1.60; 1 oz., \$5.25; 4 ozs., \$18.00.

***America** (Globe of Fire). 20 in. This is our uniformly true and even stock of this fine variety. Follows Firebrand in flowering date. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.75.

Bonfire. 26 in. Medium tall, very even. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.50; 4 ozs., \$15.00.

Splendens Tall. 30 to 36 in. Not early flowering. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50; 4 ozs., \$12.00.

FARINACEA (Blue Salvia). 24,000 S.

***Royal Blue.** An improved strain of Blue Bedder. More uniform in growth with deeper blue flowers. We recommend Royal Blue be used for your blue Salvia planting. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.50.

Blue Bedder. 36 in. with long stems for cutting. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

***SANVITALIA—Procumbens.** 50,000 S. 4 to 5 in. Double creeping Zinnia. Small golden yellow flowers. Very fine dwarf edging plant. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

SAPONARIA—VACCARIA. 5500 S. Gypsophila-like flowers. **Rose White**

Prices above two, each: 1 oz., 20c; 4 oz., 65c.

For Saponaria Ocymoides, see page 42.

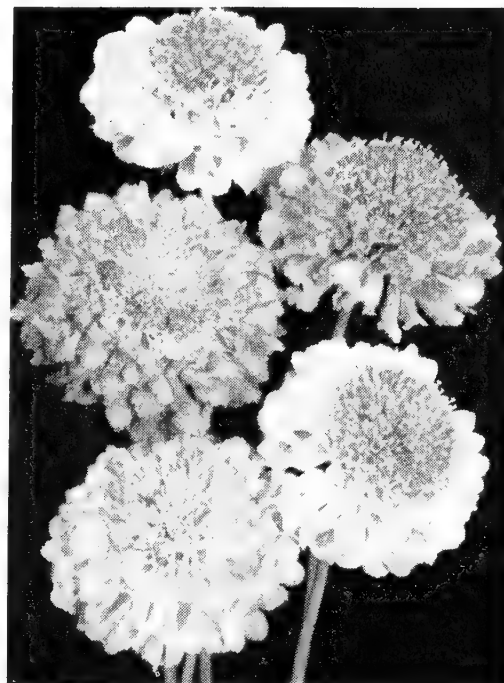
MISCELLANEOUS ANNUALS—Continued

SCABIOSA—4500 S. Pleasing colors and long stemmed, free flowering habit make annual Scabiosa a worth while spring cut flower item when grown in a cool house. Sow directly in the open for summer cutting. No retail grower should be without some of this. The first two listed are our finest strains and biggest sellers.

***Giant Hybrid Mixture.** A special strain containing only the new large flowered varieties. Well-balanced in good cut flower colors. Use this mixture if you want only a small planting of Scabiosa for cutting. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

***Blue Moon.** Fine lavender-blue color with extra large, fully double flowers and long, wiry stems. The standard market color. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

Annual Scabiosa is valuable as an outdoor summer cutting item because of its ability to produce long stems and clean flowers under adverse conditions. Sow out direct in early spring.



Ageratum Blue. Large-flowered azure blue.

Fire King. Bright scarlet.

King of the Blacks. Deep rich maroon.

***Loveliness.** Extra large flowered, deep salmon-pink.

***Shasta Improved.** Fine pure white.

Prices on each above: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

DWARF CLASS. For bedding and garden work. The stems are long enough for short-stemmed cut flowers and the shorter plants will hold themselves upright without support.

***Heavenly Blue.** Clear azure blue. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

Peace. White. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

Tom Thumb Mixture. 10 in. Extra dwarf and compact plants for bedding and edging. Mixture of colors. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

For Perennial Scabiosa, see page 42.

SCHIZANTHUS—60,000 S.—***Ball Giant Flowered.** Remarkable flower size and brilliant color range are the outstanding points about this new strain. Medium tall in habit with flowers 2 inches in diameter. Tr. pkt., 75c; ⅛ oz., \$2.00; ¼ oz., \$3.60.

***Ball Dwarf Mixture.** A distinctly dwarf growing strain with large compact heads of medium sized flowers. Makes an excellent pot plant. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.50.

Ball Brilliant Blend. A carefully blended mixture of fairly tall growing varieties recommended for the grower who grows a limited number of plants and wants a complete mixture. Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.25.

Dr. Badger's Improved Hybrids. A brightly colored large-flowered strain of medium height. Suitable either for pots or cutting. Tr. pkt., 35c; ¼ oz., \$1.15.

***Giant Blotched.** Bright colored rose and pink shades, with contrasting dark centers. Somewhat earlier than most strains and a good pot plant if well pinched. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

Monarch Strain. An attractive mixture of bright golden rose colors. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

Pansy-Flowered Mixture. Flowers flat and full petalled, resembling small Pansy flowers. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.80.

SHAMROCK—True Irish Shamrock. 38,000 S. Sow Jan. 1st in Carnation house temperature (cooler after germination) for 2-inch St. Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.20.

SMILAX—7800 S. Well-known greenhouse climber. Tr. pkt., 35c; 1 oz., \$1.50.

SNAPDRAGONS—See pages 14 and 15.

For Snow-on-the-Mountain, see Euphorbia, page 40.

SOLANUM—To insure an even, first class strain of this valuable pot plant, we grow our seed crop of these varieties at West Chicago where we can personally supervise selection and roguing.

CHRISTMAS CHERRY. 12,000 S. Sow seed in February, summer plants outdoors; lift and pot in September for Christmas pot plants.

***Ball Strain** (Hlavacek's Masterpiece). A uniform, bushy strain without the wild growth of the original Cherry varieties. Large, round red fruit is very freely produced.

Patterson. A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller sized pot specimens.

Prices above two, each: Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

CHRISTMAS PEPPER (Capsicum). 9,000 S. Sow April to June and carry along indoors for Christmas sales.

***Ball Reselected.** Compact plants with a profusion of cone-shaped fruit that is first green, later turning purple and then red. Selected for absolute evenness and large brilliantly colored fruit. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

***Craigi.** Differs from the above in that the plants are smaller leaved and rather flattened across the top with somewhat smaller fruit very freely produced well above the foliage. Fruit is first a clear even white, later turning a brilliant red. This fine strain is widely grown by many eastern pot plant growers. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

MISCELLANEOUS SOLANUMS

Love Apple. An annual shrubby plant growing to 3 ft. with long thorny branches of brilliant orange-red fruits about 1½ in. across. Decorative and colorful material to cut for use in fall floral arrangements. Tr. pkt., 50c; ⅛ oz., \$1.50.

STATICE—SINUATA. 350 seed heads per oz. A midwinter sowing brings this attractive class into flower in late spring. Flowers grown outdoors for drying extensively in southern climates.

***Market Grower's Blue.** Fine even deep blue. Excellent stock.

Kampf's Tall Improved. The standard long-stemmed blue.

MISCELLANEOUS ANNUALS—Continued

STATICE, *continued*

***Lavender Queen.** A very pleasing shade of pastel lavender. Fine color and good grower.

Rosea Superba. Rosy-lavender.

***Snow Witch.** A clear white selection from the old Sinuata white.

***New Hybrids Mixture.** A very attractive mixture of all the standard colors as well as many new hybrid shades.

Bonduelli Superba. 350 seed heads per oz. Similar in type to Sinuatas but with large yellow flowers.

Prices on above seven varieties, each: Tr. pkt., 15c; 1 oz., 45c; 4 oz., \$1.60; 1 lb., \$4.80.

Suworowii. (Russian or Rat-Tail Statice). 12,000 S. A very useful Statice for greenhouse forcing. Seed sown in January will produce fine artistically curved rose pink "rat-tails" that work in splendidly with center-pieces, etc., in late spring. Not suited for drying. Tr. pkt., 15c; ¼ oz., 40c; 1 oz., \$1.35.

For **Perennial Statice**, see page 42.

STOCKS—See page 18.

For **Strawflower**, see *Acroclinium*, page 22 and *Helichrysum*, page 29.

STRAWBERRY—Harzland (Runnerless). Small red fruits are carried on fairly compact runnerless plants. Sow seed outside in early spring and carry plants thru summer in open, potting in fall for Thanksgiving and Christmas pot plants. A real novelty item for your holiday trade. Tr. pkt., 50c; ⅙ oz., \$1.50.

STREPTOCARPUS—Giant Flowered Mixture. (Cape Primrose). Our original stock of this winter flowering pot plant was grown by a European specialist; we are convinced no better is obtainable. Tr. pkt., \$1.00; ⅙ oz., \$2.75.

For **Sunflower**, see *Helianthus*, page 29.

SWEET PEAS—See pages 16 and 17.

TAHOKA DAISY—Single daisy-like flowers of lavender-blue with deep yellow center are carried on medium length stems. Lacy fern-like foliage. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.10.

THUNBERGIA—Alata. (Black-Eyed Susan). 1100 S. Very fine, used as an annual climber or for hanging baskets, making a dense growth and producing an abundance of flowers in shades of yellow, buff, and orange—with black centers. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 oz., \$3.50.

***Gibsoni**—CROP FAILURE.

TITHONIA—Avalon Earliest. Extra early flowering with large blooms of brilliant reddish orange produced on long stems. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

For **Tobacco Plant**, see *Nicotiana*, page 31.

TORENIA—375,000 S. Rich combination of deep blue with violet blotches on lip. Nice spring pot or outdoor bedding plant.

Fournieri Grandiflora. Standard variety.

Fournieri Compacta. A compact form of the above.

Prices on above two varieties each: Tr. pkt., 35c; ⅙ oz., \$1.15; ¼ oz., \$2.00.

VENIDIUM—Ball Hybrids. 65,000 S. An interesting array of colors ranging from silvery white through buff and orange shades. At its best indoors on a raised bed from a fall sowing. Tr. pkt., 50c; ¼ oz., \$1.25.

VERBENA—Most varieties come very true with few exceptions. The Compactas make excellent spring pot plants but are less well adapted for bedding where summers are trying. Under most conditions the Grandifloras make a wonderful display. Sow early with bottom heat.

GRANDIFLORA. 10,000 S. Large flowered and of flat spreading growth.

Beauty of Oxford Hybrids. Shades of extra deep bright pink with slight white eye. Very excellent large flowered strain with some color variation.

Blue. Deep marine shade with white eye. Prefer Royale.

Cerise Queen. Bright salmon cerise.

***Crimson Glow.** Extra rich crimson.

***Dannebrog.** Bright scarlet, large white eye. Very attractive combination. Growth more compact than other Grandifloras.

***Ellen Willmott**—CROP FAILURE.

Etna. Scarlet with some white eye.

Floradale Beauty. Extra large flowered in salmon-pink shades.

***Lavender Glory.** Very fine large flowered fairly deep lavender. Throws about 25% white rogues.

Lucifer. Scarlet. We prefer Spectrum Red.

Luminosa. Deep salmon shaded pink with white eye.

Mayflower. Medium light pink.

***Mounty.** A brilliant scarlet or cardinal red with small light eye. Color deeper than Spectrum Red and stronger in growth.

***Pure White.** Very even strain.

Rosea Stellata. Clear deep pink with white eye. Quite free flowering and a strong grower.

***Royale.** Large flowered rich deep blue with white eye.

***Spectrum Red.** Very bright rich scarlet with no eye. Lighter and brighter color than Crimson Glow. Very even true strain.

Mixture of all colors in the Grandiflora class.

Prices on above varieties including the Mixture, each: Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.60.

COMPACTA. 10,000 S. A compact, erect growing type particularly adapted for border and pot work. Quite free flowering.

***Blue Sentinel.** A rich violet blue; semi-compact in growth. 10 in. high with spread of 12 to 15 in. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

***Fireball**—CROP FAILURE.

Snowball. 6 to 8 in. Fine, free flowering pure white.

Mixture of all colors in this compact class.

Prices above two and Mixture, each: Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

***Violet Bouquet.** 10 to 12 in. Deep violet; distinctly upright symmetrical habit. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Royal Bouquet. 10 to 12 in. A mixture of all colors in this upright type. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

MISCELLANEOUS VARIETIES.

***Bipinnatifida.** 18 in. Very heavy, fast grower. Deeply serrated leaves account for its common name, Fern-leaved Verbena. Clusters of attractive lavender-blue flowers borne freely thruout season. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

Bonariensis, Tobaty Variety. Similar to the original species, V. Bonariensis, except for slightly larger flowers and deeper blue color. Not as free branching as the original, being almost without laterals. Offered in place of V. Bonariensis which is unavailable this year. Tr. pkt., 35c; ⅙ oz., \$1.25; ¼ oz., \$2.25.

MISCELLANEOUS ANNUALS—Continued

VERBENA, continued

Erinoides. (Moss Verbena.) 30,000 S. Its extra strong growth makes a 3 to 4 ft. wide row 10 in. high. Small lavender flower heads freely produced. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

***Venosa.** 60,000 S. 8 to 10 in. A dwarf bedding Verbena that flowers continuously thruout our hot mid-Western summers. Deep lilac flowers produced quite freely. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.60.

VINCA—ROSEA. (Periwinkle.) 21,000 S. 15 in. One of the most generally satisfactory outdoor bedding plants we have. Will stand an almost unbelievable amount of hot, dry weather. Sow early with bottom heat.

***Twinkles.** Soft blush pink with bright red eye.

***Pink.** The standard medium pink.

Alba Pura. Pure white.

VINCA, continued

Alba Oculata. White with pink center.

Delicata. Light pastel pink shade.

Mixture of above colors.

Prices on above varieties and Mixture, each: Tr. pkt., 25c; ¼ oz., 60c.

For Viola, see page 42.

VIRGINIAN STOCK—Compacta Mixture. 60,000 S. 8 in. Nice compact bedding plant. Tr. pkt., 15c; 1 oz., 65c.

WALLFLOWER. (Annual.) 14,000 S.—**Gold Standard.** Richly fragrant deep golden yellow. In our latitude should be sown in October for greenhouse flowering. Tr. pkt., 25c; ¼ oz., 85c.

For Perennial Wallflower, see Cheiranthus, page 39.

ZINNIAS—See pages 10 and 11.

Presented here is an abbreviated list of the most commonly used garden names of some of the better known plants with their botanical equivalents. Since most are cataloged botanically, this should help to clarify at least some of the confusion in plant names.

Amethyst	<i>Browallia</i>
Baby's Breath	<i>Gypsophila</i>
Balloon Flower	<i>Platycodon</i>
Batchelor's Button	<i>Centaurea</i>
Beard Tongue	<i>Pentstemon</i>
Bell Flower	<i>Campanula</i>
Black-Eyed Susan	<i>Thunbergia</i>
Blanket Flower	<i>Gaillardia</i>
Bleeding Heart	<i>Dicentra</i>
Blue Daisy	<i>Agathea</i>
Blue Lace Flower	<i>Didiscus</i>
Bouncing Bet	<i>Saponaria</i>
Bugloss	<i>Anchusa</i>
Buttercup	<i>Ranunculus</i>
Butterfly Flower	<i>Schizanthus</i>
Butterfly Weed	<i>Asclepias</i>
California Poppy	<i>Escholtzia</i>
Camomile	<i>Anthemis</i>
Candytuft	<i>Iberis</i>
Cape Marigold	<i>Dimorphothea</i>
Cape Primrose	<i>Streptocarpus</i>
Cardinal Flower	<i>Lobelia</i>
Carnation	<i>Dianthus</i>
Castor Bean	<i>Ricinus</i>
Catnip	<i>Nepeta</i>
Chinese Forget-me-not	<i>Cynoglossum</i>
Chinese Lantern Plant	<i>Physalis</i>
Christmas Cherry	<i>Solanum</i>
Cockscomb	<i>Celosia</i>
Columbine	<i>Aquilegia</i>
Cone Flower	<i>Rudbeckia</i>
Coral Bells	<i>Heuchera</i>
Creeping Zinnia	<i>Sanvitalia</i>
Cup and Saucer Vine	<i>Cobaea</i>
Cup Flower	<i>Nierembergia</i>
Cupid's Dart	<i>Catananche</i>
Dusty Miller	<i>Centaurea</i>
English Daisy	<i>Bellis</i>
False Dragonhead	<i>Physlostegia</i>
False Starwort	<i>Boltonia</i>
Farewell to Spring	<i>Godelia</i>
Feverfew	<i>Matricaria</i>
Firecracker Plant	<i>Cuphea</i>
Flax	<i>Linum</i>
Floss Flower	<i>Ageratum</i>
Flowering Tobacco	<i>Nicotiana</i>
Forget-me-not	<i>Myosotis</i>
Foxglove	<i>Digitalis</i>
Gas Plant	<i>Dictamnus</i>
Gayfeather	<i>Liatris</i>

Globe Amaranth	<i>Gomphrena</i>
Globe Flower	<i>Trollius</i>
Globe Thistle	<i>Echinops</i>
Goldencup	<i>Hunnemannia</i>
Greenbriar	<i>Smilax</i>
Joseph's Coat	<i>Amaranthus</i>
Kingfisher Daisy	<i>Felicia</i>
Lavender	<i>Lavendula</i>
Love-in-a-mist	<i>Nigella</i>
Lupine	<i>Lupinus</i>
Maltese Cross	<i>Lychnis</i>
Marigold	<i>Tagetes</i>
Marvel of Peru	<i>Marabillis</i>
Meadow Rue	<i>Thalictrum</i>
Money Plant	<i>Lunaria</i>
Morning Glory	<i>Ipomoea</i>
Mourning Bride	<i>Scabiosa</i>
Painted Daisy	<i>Pyrethrum</i>
Painted Tongue	<i>Salpiglossis</i>
Periwinkle	<i>Vinca</i>
Primrose	<i>Primula</i>
Purple Rockcress	<i>Aubretia</i>
Redhot Poker	<i>Tritoma</i>
Rockcress	<i>Arabis</i>
Rose Mallow	<i>Hibiscus</i>
Sage	<i>Salvia</i>
Sensitive Plant	<i>Mimosa</i>
Silk Oak	<i>Grevillea</i>
Slipperwort	<i>Calceolaria</i>
Snapdragon	<i>Antirrhinum</i>
Snow in Summer	<i>Cerastium</i>
Snow on the Mountain	<i>Euphorbia</i>
Spider Plant	<i>Cleome</i>
Stock	<i>Mathiola</i>
Stoke's Aster	<i>Stokesia</i>
Strawflower	<i>Helichrysum</i>
Summer Cypress	<i>Kochia</i>
Sun Rose	<i>Helianthemum</i>
Sunflower	<i>Helianthus</i>
Swan River Daisy	<i>Brachycome</i>
Sweet Pea	<i>Lathyrus</i>
Sweet Rocket	<i>Hesperis</i>
Tassel Flower	<i>Cacalia</i>
Thrift	<i>Statice</i>
Tickseed	<i>Coreopsis</i>
Toadflax	<i>Linaria</i>
Transvaal Daisy	<i>Gerbera</i>
Tree Mallow	<i>Lavatera</i>
Umbrella Plant	<i>Cyperus</i>
Viper's Bugloss	<i>Echium</i>
Wallflower	<i>Cheiranthus</i>
Wild Indigo	<i>Baptisia</i>
Wind Flower	<i>Anemone</i>
Wishbone Flower	<i>Toreia</i>
Yarrow	<i>Achillea</i>

FINE PERENNIALS

ACHILLEA—***Filipendula, Parker's Variety** (Eupatorium). 22,000 S. Large heads of golden yellow flowers on long stems; fine for cutting. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.

***The Pearl** (Ptarmica). 175,000 S. 30 in. The standard double white for cutting. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.

ALYSSUM—The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.

***Saxatile Compactum**. 30,000 S. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Saxatile Silver Queen. (Sulphureum). 30,000 S. Same as above but a light lemon yellow. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

ANCHUSA—***Barrelieri**. 5500 S. 15 in. Very fine Forget-me-not blue rock garden plant. Flowers middle to end of May. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.

Dropmore Strain. (Italica.) 1100 S. 6 ft. Nice blue for cutting. Tr. pkt., 15c; 1/4 oz., 20c; 1 oz., 60c.

Myosotidiflora. 10,500 S. 12 in. May flowering forget-me-not blue. Seed should be placed in refrigerator for 72 hours before sowing. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

ANEMONE—**St. Brigid Mixed**. Choice long stemmed mixture of brilliant colors. Tr. pkt., 50c; 1/4 oz., \$1.30; 1 oz., \$4.20.

ANTHEMIS—**Kelwayi** (Hardy Marguerite). 85,000 S. 3 ft. Yellow Daisy flowers produced thruout the summer. Tr. pkt., 15c; 1 oz., 65c.

AQUILEGIA—(Columbine.) 15,500 S.—Though not well adapted for shipping, well grown Columbines are of definite cut flower value for retail growers. Not at all difficult to force either. Pot up from the field the first year plants storing in a cold house or frame until about Feb. 1. Start in a low temperature gradually increasing to around 50°.

Alpina. 2 ft. Blue. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.

Coerulea (Rocky Mountain Columbine). Sky-blue with white corolla. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

***Crimson Star Hybrids**. About 60% dark red with white corolla. Other interesting bi-colors make up the balance of this strain. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

***Longissima**. Delicate, pale yellow with extra long (4 in.) spurs. Richly fragrant. Tr. pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50.

***Longissima Hybrids**. A variety of attractive shades in this extra long spurred class. Tr. pkt., 50c; 1/16 oz., \$2.00.

***Mrs. Nicholls**. A large flowered, clear deep blue Columbine. Tr. pkt., 50c; 1/8 oz., \$1.25; 1 oz., \$8.00.

***Mrs. Scott Elliotts Hybrids**. An excellent and popular long-spurred mixture. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Rose Queen. Rose with white corolla. Tr. pkt., 35c; 1/4 oz., 70c.

***Snow Queen**. Extra large pure white flowers. An exceptionally true and uniform strain. Tr. pkt., 25c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Mixture of all colors in this long-spurred class. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.

ARABIS (Rock Cress)—***Alpina Snowcap**. 150,000 S. 6 in. Of a dwarf and compact habit. Shining snow-white. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

Alpina. 150,000 S. 12 in. White. Tr. pkt., 25c; 1/4 oz., 55c; 1 oz., \$1.80.

ASCLEPIAS—**Tuberosa**. 4500 S. Fine orange for cutting. Requires well drained location. Freezing over winter helps germination. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$2.75.



Aquilegias make valuable cut flowers for retail growers. Easily forced in the greenhouse too.

ARMERIA—**Maritima** (Statice Armeria). 17,500 S. 12 in. Lilac rose. Grass-like, evergreen foliage. Tr. pkt., 50c.

***Glory of Holland**. Ball-shaped deep pink flowers about 1 1/2 inches in diameter are carried on straight wiry stems 2 feet long. Fine for cutting and blooms throughout the summer. Tr. pkt., 50c; 1/8 oz., \$2.00.

ASTER—**Hardy Large Flowered Mixture**. Perfectly hardy and attractive assortment. Tr. pkt., 50c; 1/8 oz., \$1.10 1/4 oz., \$2.00.

AUBRIETIA—**Large Flowered Hybrids**. (Monarch strain.) 150,000 S. 6 in. This strain shows a particularly wide and bright color mixture. Tr. pkt., 50c; 1/8 oz., \$1.00.

For **Baby's Breath**, see Gypsophila, pages 29 and 40; also Euphorbia Corollata, page 40.

BAPTISIA—**Australis** (False Indigo). 1700 S. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., 25c; 1 oz., 75c.

BELLIS—**PERRENNIS**. This popular Double English Daisy is much used for spring and early summer bedding.

Red **Rose** **White**

Each, above three: Tr. pkt., 50c; 1/8 oz., \$2.00; 1/4 oz., \$3.50.

Mixture. Tr. pkt., 50c; 1/8 oz., \$1.80; 1/4 oz., \$3.20.

BOLTONIA—**Latisquama**. 95,000 S. 4 to 5 ft. Delicate pink. Tr. pkt., 25c; 1/4 oz., \$1.35; 1 oz., \$4.25.

CAMPANULA—**CARPATICA**. 350,000 S. 12 in. Dwarf perennial.

Blue. Tr. pkt., 40c; 1/4 oz., \$2.50.

***Hybrid Mixture**. Wide cup shaped flowers are borne on slender erect stems. This strain contains many new colors in this dwarf class. Tr. pkt., 75c; 1/8 oz., \$2.25.

MISCELLANEOUS PERENNIALS—Continued

CAMPANULA, continued

MEDIUM CALYCANTHEMA (Cup-and-saucer Type). 120,000 S. 3 ft. Biennial.

Dark Blue **Light Blue** **Rose** **White** **Mixture**
Prices on above varieties and Mixture, each: Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.60.

MEDIUM SINGLE (Canterbury Bells). 135,000 S. 3 ft. biennial.

Dark Blue **Light Blue** **Pink** **White** **Mixture**
Prices on the above varieties and Mixture, each: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

PERSICIFOLIA. 340,000 S. 30 in. Perennial.

White **Blue** **Mixture**
Prices on the above varieties and Mixture, each: Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

PYRAMIDALIS. (Chimney Campanula.) 250,000 S. 5 ft. Mixture. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

For Perennial Candytuft see *Iberis* page 40.

CARNATION—GRENADIN (Hardy Carnation). 14,000 S. 20 in. Good for cutting.

Golden Sun ***Pink** ***Red** **White** ***Mixture**
Prices on the above varieties and Mixture, each: Tr. pkt., 50c; ¼ oz., \$2.50; 1 oz., \$8.00.

For other Carnation varieties see page 24.

CATANANCHE—Coerulea. 16,000 S. 30 in. Everlasting light lavender-blue, centaurea-like flowers produced freely first year from seed. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

CENTAUREA—Montana. 1600 S. 24 in. Large Cornflower-blue flowers. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

For Annual Centaurea Cyanus, see page 24.

CERASTIUM—*Tomentosum. 42,000 S. 10 to 12 in. White edging and rockery plant. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

CHEIRANTHUS (Wallflower)—***Golden Bedder**. 19,000 S. 18 in. Large deep golden yellow. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Allioni (Siberian Wallflower). 19,000 S. 18 in. Free flowering brilliant orange. Tr. pkt., 10c; 1 oz., 35c.

For Annual Wallflower, see page 37.

CHRYSANTHEMUM

***Glory Mixture**. Our finest mixture of hardy Chrysanthemums with an exceedingly wide range of brilliant colors. Contains seeds of Korean and Arcticum Hybrids as well as Azaleamums, Indicum and Morifoliums. Tr. pkt., 75c; ⅛ oz., \$2.20; ¼ oz., \$4.00.

Korean Hybrids. 60,000 S. Single and semi-double types in a good color range. Many of these bloom rather late for localities with early frost dates. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00.

COREOPSIS—*Sunburst (New Gold). 11,000 S. A fine semi-double strain. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Mayfield Giant. 11,000 S. Extra large deep golden yellow. Single. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

DAISY (Chrysanthemum Leucanthemum)

***G. Marconi**. The largest flowered and finest double Shasta Daisy strain. Long-stemmed. Originator's seed. Tr. pkt., 50c; 6 Tr. pkts., \$2.50. Regular stock. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.75.



Campanula Medium Calycanthema—Cup-and-Saucer type.

DAISY, continued

Double Fringed (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$4.00.

June Marguerite. 40,000 S. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

***Mayfield Giant**. 21,000 S. Quite large flowered, end of June. Alaska. 21,000 S. The standard Shasta Daisy, July.

Conqueror. 21,000 S. Giant late white, late July.

Prices on above three varieties each: Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

DELPHINIUM—See page 21.

DIANTHUS (28,000 S.)—**Allwoodi Alpinus Mixed**. (8 to 10 in.) 1½ in. single flowers in shades of pink. Early June. Tr. pkt., 35c; ⅛ oz., 90c.

Deltoides Erecta. 6 in. June flowering. A dwarf Maiden Pink. Bright red. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.50.

***Latifolius Atrococcineus**. 12 to 15 in. Miniature Rose-like flowers. Bright crimson. Tr. pkts., only, 25c.

Plumarius, Single Mixture (Clove Pink). 20 in. Free flowering, and sweet scented. Tr. pkt., 15c; ¼ oz., 40c; 1 oz., \$1.35.

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed.

***Holborn Glory**. Striking combination of crimson with white.

MISCELLANEOUS PERENNIALS—Continued

DIANTHUS, *continued*

***Newport Pink** (Pink Beauty). A particularly rich pastel salmon rose shade. Very attractive.

Purple Beauty. A rich deep color.

Scarlet Beauty. Well named, intense scarlet red.

Giant White. Ours is an extra large flowered strain.

Single Mixture.

***Double Mixture**.

Prices on above varieties and Mixtures, each: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.40.

***Single Midget Mixed**. Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 50c.

***Double Midget Mixed**. 6 to 8 in. Like above except flowers are double. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

For other *Dianthus*, see page 27.

DICENTRA—Spectabilis (Bleeding Heart). 6000 S. 32 in. Tr. pkt., \$1.00; ¼ oz., \$1.75; ½ oz., \$3.25.

Eximia (Plumy Bleeding Heart). 16,000 S. Dwarf, 12 in. Tr. pkt., 35c; ¼ oz., \$1.00.

DICTAMNUS—Fraxinella (Gas Plant). 1700 S. 30 in. Pink with dark veins. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

DIGITALIS—GLOXINOIDES (Foxglove). 180,000 S. 4 ft.
Purple **Rose** **Giant Shirley Mixture**
Each: Tr. pkt., 20c; ¼ oz., 60c; 1 oz., \$2.00.

ECHINOPS—Ritro (Ornamental Thistle). Blue flower heads 1½ to 2" in diameter. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

EUPHORBIA—Corollata (Wild Baby's Breath). 8700 S. 24 in. Small Gypsophila-like white flowers. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.25.

Myrsinites. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. 6–8 in. tall. Tr. pkt., 35c; ½ oz., \$1.00.

For *Feverfew*, see *Matricaria*, page 41.

For *Foxglove*, see *Digitalis*, this page.

GAILLARDIA—GRANDIFLORA. 9500 S. The following strains, except *Goblin*, are excellent cut flower sorts.

***Dazzler**. The standard fine cutting strain. Golden yellow with maroon center.

***Monarch Strain**. A very superior mixture of large, full petaled flowers with an unusually bright color range. Prices on the above two varieties, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

***Burgundy**. Deep shade of wine red. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

Portola Hybrids Mixed. Standard hybrid mixture. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Goblin. Forms very attractive compact plants with red and yellow bicolored flowers. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25. For *Annual Gaillardia*, see page 28.

For *Gas Plants*, see *Dictamnus*, this page.

GEUM (7000 S.)—**Lady Stratheden**. 24 in. Double golden yellow.

Mrs. Bradshaw. 24 in. Double glowing red.

Prices on the above two varieties, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

GYPSOPHILA—34,000 S. Valuable for outdoor summer cutting and easily and economically grown.

***Pacifica**. 42 in. Starry pink flowers in Sept. and Oct. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., \$2.75.

***Oldhamiana**. 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from an early sowing. Oct. flowering—watch frost dates. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

PANICULATA. The regular white hardy Gyp. Note that double grafted varieties like *Bristol Fairy* are not available from seed.

***Double Snow Flake**. 40 in. An improved double hardy Gyp. About 50% are double flowering plants. Tr. pkt., 35c; ¼ oz., \$1.35; 1 oz., \$4.50.

Single White. Tr. pkt., 15c; 1 oz., 40c.

REPENS. 6 in. An attractive, hardy rock garden plant.

Rose. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., \$2.40.

For *Annual Gyp.*, see page 29.

HELIANTHEMUM—Mutabile (Rock Rose). 15,000 S. 8 to 10 in. Very attractive dwarf evergreen rock plant. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.

HESPERIS—Matronalis (Sweet Rocket). 15,000 S. Sweet scented violet flowers on 3 to 4 ft. plants. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

HEUCHERA—Sanguinea Splendens (Coral Bells). 750,000 S. 24 in. Crimson. Tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.00.

HIBISCUS—Mallow Marvels Mixed. 4 ft. Ours is a very showy extra large flowered strain. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.20.

HOLLYHOCK—Imperator. 2700 S. Choice double fringed mixture. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.80.

Allegheny Mixed. 2700 S. Single and semi-double types. Tr. pkt., 15c; ¼ oz., 25c; 1 oz. 75c.

CHATER'S DOUBLE. 3100 S. The standard double Hollyhock.

Chamois, Deep Rose, Lilac Beauty, Newport Pink, Scarlet, Sulphur Yellow, White and Mixture

Prices on all above *Chater's* varieties and Mixture, each: Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50.

IBERIS (11,500 S.)—**Gibraltarica**. 12 in. Large flowered lilac. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.40.

Sempervirens. 12 in. White flowers in late May. Seedlings flower second season. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.50.

LATHYRUS—LATIFOLIUS (Hardy or Everlasting Sweet Pea). 500 S. Abundant source of short-stemmed flowers.

Pink Beauty **White Pearl** **Red** **Mixture**
Each: Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LAVANDULA (32,000 S.)—***Munstead Strain**. 12 in. Freely produces large sweet scented flowers a month earlier than the common *Lavender*. An improved *Vera*. Tr. pkt., 35c; ¼ oz., \$1.00.

LIATRIS (Blazing Star)—9500 S. Excellent cut flowers, long decorative, bold spikes.

Elegans. Large starry blooms of pure lavender with snow-white center.

***Pycnostachya**. Extra long-stemmed—3 to 5 ft. with long 15 to 18 in. flower spikes of rosy purple. Finest cut flower kind.

Scariosa. Rosy purple. Extra large individual flower heads on long, loosely set spikes.

Prices above 3, each: Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.70.

MISCELLANEOUS PERENNIALS—Continued

LIATRIS, *continued*

***Scariosa White.** A very fine pure white. Long spikes.
Spicata. Not quite so long-stemmed or with as long flower spikes as *Pycnostachya*; purple. Prefers a damp low location.
Prices above two, each: Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.70.

LILIES FROM SEED—*White Queen. 8300 S. This is the largest and finest seed propagated Lily we know of. Produces a plentiful quantity of real quality flowers in 16–18 months from seed. ½ Tr. pkt., 60c; Tr. pkt., \$1.00; ⅛ oz., \$2.50; ¼ oz., \$4.50; 1 oz., \$15.00.

Philippinense Formosanum, Giant Flowered. 8200 S. An improved form of the original stock of Philippine Lily. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50; 4 oz., \$12.00.

Regale (Regal Lily). 6500 S. Pink with primrose center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00.

Tenuifolium (Coral Lily). Freely produces medium sized flowers of brilliant coral red. 18 to 20 in. tall; May flowering. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

LINUM—Perenne (Perennial Flax). 8500 S. Blue. Tr. pkt., 15c; 1 oz., 50c.

LOBELIA—Cardinalis (Cardinal Flower). 725,000 S. 36 in. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

LUNARIA—BIENNIS (Honesty or Money Plant). 1500 S.

White Mixture

Each: Tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.25.

LUPINUS—POLYPHYLLUS (Hardy Lupine). Fine for cutting. Requires a well drained location and thrives best in cool climate.

***Russell Strain.** 1000 S. Unusually long closely set flower spikes and the widest range of attractive colors found in Hardy lupines.

Reselected Stock (Originator's packets) 20 seeds, 30c; 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50.

Grown from Originator's Stock. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00; 4 oz., \$6.00.

MISCELLANEOUS POLYPHYLLUS VARIETIES. 1450 S.

Dark Blue. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.15.

Rose. Tr. pkt., 35c.

White. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

***Harkness Regal Mixture.** The standard fine hybrid mixture. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LYCHNIS 64,000 S.—***Chalcedonica**, 36 in. Scarlet. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

MATRICARIA Capensis (Feverfew) 145,000 S.

***Ball Double White.** Sowings of this popular strain of Feverfew made through January will produce a welcome cut during July and early August. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75; 1 oz., \$5.75.

Double Golden Ball. 10 in. Dwarf, semi-double yellow. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

MYOSOTIS (Forget-me-not) 42,000 S.

***Blue Bird (Oblongata).** 12 in. Standard blue for Spring greenhouse flowering. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

Palustris Semperflorens. Dwarf blue, 12 in. Flowers from early spring until autumn. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

ALPESTRIS. Biennial.

Blue Eyes. Early flowering bright blue with white eye. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

***Royal Blue (Indigo Blue).** 12 in. Deep rich blue. Tr. pkt., 30c; ¼ oz., 85c; 1 oz., \$3.00.

For **Myosotis Ball Early**, see page 31.

For **Painted Daisy**, see *Pyrethrum*, this page.

NEPETA—Mussini. (June-flowering Catnip.) 52,000 S. 12 in. Neat bushes with lavender-blue flowers. Tr. pkt., 25c; ¼ oz., 75c.

PHLOX—Hybrid Mixture (Decussata). 2500 S. 3 ft. Our strain of this popular perennial Phlox contains many large flowered, brilliantly colored types. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

PHYSALIS—Francheti (Chinese Lantern Plant). 18,000 S. Giant orange-scarlet pods; useful for winter decorations. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

PHYSOSTEGIA—Virginica. 16,000 S. 4 ft. Rosy Lilac. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

For **Pinks**, see *Dianthus*, pages 27 and 39.

PLATYCODON—GRANDIFLORUM (Tufted Harebell or Balloon Flower) 28,000 S. 24 in. Very attractive for spring sales.

***New Giant Early (Praecox Gigantea).** Earlier and larger flowered than the following. Blue. Limit, one Tr. pkt., 25c.

Blue. A clear deep violet blue.

White

Mixture. A mixture of mostly blue shades with some white.

Prices on above two varieties and mixture, each: Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

POPPY—ORIENTALE (Oriental poppy). 140,000 S. Large cup-shaped flowers with crinkled petals.

Beauty of Livermere. Dark oxblood-red. Tr. pkt., 30c; ¼ oz., \$1.25.

Brilliant. 40 in. Vivid, fiery red. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.50.

Princess Victoria Louise. The standard light orange salmon. Tr. pkt., 30c; ¼ oz., \$1.00; 1 oz., \$3.50.

Salmon Shades. Huge blossoms in unusual new salmon shades. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

Mixture. Of all colors. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

For other **Poppy** varieties, see page 32.

PRIMULA—VERIS. 33,000 S. A very useful class for spring pot work. Plants lifted from outdoors in fall will make specimen pot plants from February on.

***Collosea.** Extra large flowers (1½ to 2 in.) on long stiff stems. Remarkable range of unusual colors. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

***Giant Munstead Strain.** The standard strain for bedding; in shades of yellow. Tr. pkt., 75c; ⅛ oz., \$2.00; ¼ oz., \$3.75; 1 oz., \$14.00.

***Polyanthus Mixture.** 12 in. Tr. pkt., 75c; ⅛ oz., \$1.75; ¼ oz., \$3.25; 1 oz., \$12.00.

Giant Monarch Strain. A fine large flowered mixture. Tr. pkt., 75c; ⅛ oz., \$2.00; ¼ oz., \$3.75; 1 oz., \$14.00.

Giant Crimson.

Giant Yellow.

Giant White.

Prices on the above three varieties, each: Tr. pkt., 75c; ⅛ oz., \$1.75; ¼ oz., \$3.00.

Blue. Tr. pkt., \$1.00; ⅓ oz., \$2.20; ⅙ oz., \$4.00.

Vulgaris. (True Yellow English Primrose). 19,000 S. 6 in. Tr. pkt., 50c; ¼ oz., \$1.65; 1 oz., \$6.00.

For other **Primula** varieties, see page 33.

PYRETHRUM—ROSEUM (Painted Daisy). 18,000 S. The standard hardy cut flower class. The following varieties will make an excellent showing with a minimum of care.

Atrosanguineum. A popular dark crimson strain. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.00.

Rose. Single pink flowers. Tr. pkt., 50c; ¼ oz., \$1.75.

MISCELLANEOUS PERENNIALS—Continued



New Viola, Blue Elf.

PYRETHRUM, *continued*

***Robinson's Hybrids.** Large single mixture. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.00.

***James Kelway.** Fine dark red cut flower variety. Tr. pkt., 50c; ¼ oz., \$1.75.

***Semi-Double Mixture.** An excellent strain. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.00.

Single Mixed. An attractive mixture of colors in the large-flowered single type. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$5.50.

***Extra Double Mixture (New).** The European producer of this fine strain assures us that the percentage of large extra double flowers exceeds that of any other strain. Note, however, that 2 years growth is required to produce the finest flowers in any strain of double Pyrethrum. Tr. pkt., 50c; ⅓ oz., \$1.40; ¼ oz., \$2.50; 1 oz., \$7.50.

RUDBECKIA—Purpurea (Echinacea). 7000 S. 4 ft. Reddish purple. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

SALVIA—Patens. 3800 S. 30 in. Navy blue hardy Salvia. Tr. pkt., 50c; ¼ oz., \$1.40.

SAPONARIA—Ocymoides. 5500 S. 12 in. Trailing rose; hardy rock plant. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.10.

SCABIOSA—2400 S. Excellent large flowered perennial cut flower material. Seed germination sometimes slow.

Caucasica Goldingensis. Large flowered, fine deep lavender. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

Caucasica Perfecta. Improved large flowered form of this lilac lavender strain. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.50.

SCABIOSA, *continued*

***Caucasica, House Hybrids.** Large flowers ranging from white to deep blue. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.
Fischeri. 30 in. rounded bushy plants. Flowers a bright lilac-lavender color. Tr. pkt., 35c.

STATICE—Perennial Statice are very hardy, make good cut flower material and some as noted can be dried and dyed.

Caspia. 175,000 S. 30 in. Seedlings flower second season. Lilac. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

***Dumosa.** 19,000 S. 18 in. Dense clumps of silvery gray flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

***Latifolia** (Sea Lavender). 40,000 S. 30 in. Standard blue perennial Statice. Very hardy and may be dried. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.85.

Perezzi. 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.85.

For Annual Statice, see page 35.

STOKESIA—Cyanea (Stoke's Aster). 3300 S. 16 in. Large blue flowers. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$2.70.

THALICTRUM—Dipterocarpum (Meadow Rue). 12,000 S. 3 to 4 ft. Rosy purple clusters of flowers in early June. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

TRITOMA 22,000 S.—***Pfitzers Hybrids.** Large brilliant red. **Mirabilis Hybrids.** Yellow and orange shades.

Prices on the above two, each: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

TROLLIUS—LEDEBOURI (Globe Flower). 8000 S. Allow seed to stand outdoors over winter for good germination. **Orange.** 24 in.

***Golden Queen.** Large orange. Good cut flower.

Prices above two, each: Tr. pkt., 50c; ⅓ oz., \$1.25; ⅓ oz., \$2.00.

VIOLA—CORNUTA. 24,000 S. except Blue Elf. Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

Apricot. Prefer Chantreyland. Tr. pkt., 50c; ⅓ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

Arkwright Ruby. Maroon-scarlet with dark center. Bright color. Tr. pkt., 50c; ⅓ oz., \$1.50; ¼ oz., \$2.65; 1 oz., \$8.00.

Black Imp. Small, velvety, coal-black flowers. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

***Blue Elf** (Improved Johnny Jump Up). 43,000 S. Three-colored blooms of deep violet, light blue and gold are freely produced on low-growing plants. The ¾ inch blossoms improve the original Johnny Jump Up. Tr. pkt., 50c; ⅓ oz., \$1.25; ¼ oz., \$2.25.

***Blue Perfection.** Large flowered clear medium blue. Tr. pkt., 50c; ⅓ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

***Chantreyland.** Extra large flowered true apricot. Tr. pkt., 50c; ⅓ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

Firmament. Free blooming, clear sky blue. Tr. pkt., 50c.

***Helen Mount.** A richly colored combination of violet, lavender and canary yellow. Very free flowering with narrow bushy foliage. Tr. pkt., 50c; ⅓ oz., \$1.25; ¼ oz., \$2.25.

Jersey Gem. Attractive large deep orchid violet. Tr. pkt., 50c; ⅓ oz., \$1.50.

***Lutea Splendens.** Clear golden yellow. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

Papilio. Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

***White Perfection.** Small pure white. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

***Large-Flowered Mixture.** Complete mixture of all large flowered varieties. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.



Here's Why—

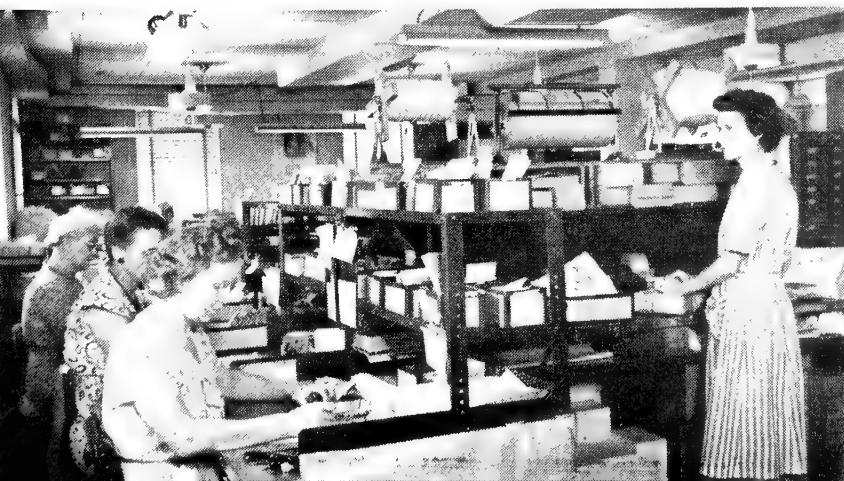
your seed order leaves us within 24 hours

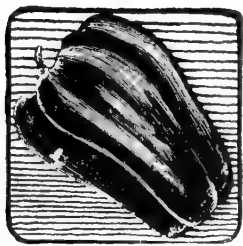
Promptness in getting all seed orders back into the mails the day we receive them has long been an important part of Ball's service. To do this calls for a carefully worked out routine, plus efficient and understanding workers. Pictured here are a few of the reasons this service is possible.

Reading clockwise—the upper left photo shows the “boss” himself, who carefully goes over all orders as rapidly as they are received. Next is pictured plant and bulb manager Charley Newbold (standing) with his helpers; all plant and bulb orders are handled separately by this department. Immediately beneath is a view of the modern bookkeeping and billing department; here also all mail is opened and orders properly entered.

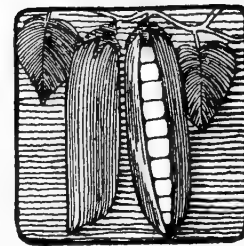
Following is a corner of the packing division where careful hand work is supplemented by automatic sealing machinery. The lower right photo shows one of twenty sections where packeted seed is arranged alphabetically for fast assembling of all orders. The final step, pictured below, is a careful re-check of every packet in your order before it is wrapped and hurried to the post office.

Added up, it all amounts to the kind of service growers have a right to expect and which all of us here at Ball's are glad to extend.





Vegetable Seeds for Florists



FOR FORCING

For easy reference we've marked the best vegetable varieties for greenhouse forcing with an asterisk (*). All are thoroughly tested.



FOR PLANT SALES

Band-grown vegetables mean earlier crops. Use the banded plant cut as your guide to suitable varieties for growing in Plant Bands.

BEANS

	4 oz.	1 lb.	5 lbs.	10 lbs.
Bountiful. Green bush.....	\$0.15	\$0.40	\$1.75	\$3.50
Burpees Bush Lima .....	.20	.50	2.25	4.50
Golden Wax. Yellow bush.....	.15	.40	1.75	3.50
Kentucky Wonder. Green pole....	.15	.40	1.75	3.50
Stringless Green Pod .....	.15	.40	1.75	3.50

CORN

Country Gentleman. White.....	.15	.35	1.60	3.15
Golden Bantam .....	.15	.35	1.60	3.15
Golden Cross (Hybrid).....	.20	.50	2.25	4.50
Stowell's Evergreen. White.....	.15	.35	1.60	3.15

PEAS

Alderman. Tall.....	.15	.30	1.35	2.70
Thos. Laxton. Medium.....	.15	.30	1.35	2.70
Little Marvel. Dwarf.....	.15	.30	1.35	2.70

BEETS (1 oz. for 60-foot row)



Sow when the ground can be worked and make successive sowings until July. Space rows 18 inches. *Broad-cast* seeds in Ball Bands for plant sale.

Crosby's Egyptian. (Original Strain)....	\$0.15	\$0.50	\$1.50
Detroit Dark Red. (Impr. Strain).....	.15	.50	1.50
*Early Wonder Tall Top. Valuable for BEET GREENS as well as globular roots..	.15	.50	1.50
*Extra Early Flat Egyptian. Earliest and best for forcing or home garden.....	.15	.50	1.50

BROCCOLI (About 7000 seeds per oz.) Sow in March. Space plants 36x24".



Green Sprouting Early. Valuable all-season "cut and come again" strain for home garden or market....

.40 1.30 3.90

BRUSSELS SPROUTS (About 7000 seeds per oz.) Sow in March. Space 36x18".



Long Island Impr. 90 days. Stem closely set with 1½ in. round cabbage-like heads. 20" tall, good keeper.....

.45 1.50 4.50

CABBAGE (About 7000 seeds per oz.)



Sow in Feb.-March for the first crop and in June for a fall crop. Space earlies 24x18", late 36x20". Days indicated are from the date the plants are set out. Handling cabbage plants in bands will prevent premature heading.

CABBAGE, continued

1 oz. 4 ozs. 1 lb.

YELLOWS RESISTANT VARIETIES

In order of maturity.

Jersey Queen. 63 days. The resistant Jersey Wakefield. Heads are solid, conical....	\$0.40	\$1.30	\$4.20
Marion Market. Heads a little later and larger than Copenhagen Market.....	.50	1.60	4.80
Wisconsin All-Season. Good winter keeper; large flat hard heads.....	.50	1.60	4.80
Bugner. 100 days. Round heads; average 10 lbs., 8 inches diameter. Excellent.....	.90	3.00	9.00
Wisconsin No. 8. Resistant Hollander...	.60	2.00	6.00

OTHER STANDARD VARIETIES

In order of maturity.

Early Jersey Wakefield. Pointed heads. Plants small, allowing close planting.....	.35	1.20	3.60
Golden Acre. Round head, short stem, 64 days. Uniform, firm, matures evenly...	.45	1.50	4.50
Copenhagen Market. A very choice strain. Medium-sized heads; compact.....	.45	1.50	4.50
Charleston. ("Large Wakefield.") Heart shaped, average weight 4-5 lbs.....	.35	1.20	3.60
Early Dwarf Flat Dutch. Heads nearly round, firm, fine flavor and high quality...	.35	1.20	3.60
Early Winningstadt. 77 days. Hardy, dependable, heart-shaped. Average wt., 5 lbs.	.35	1.20	3.60
Glory. (Glory of Enkhuizen.) Valuable for kraut. Average 6-8 lbs.....	.40	1.30	4.20
All Head Early. Good winter keeper. Deep heads, flat, firm, valuable for kraut, 77 days.....	.35	1.20	3.60
All Season. Best in hot, dry weather.....	.35	1.20	3.60
Hollander. Ferrys strain; round heads...	.70	2.30	6.90
Late Flat Dutch. Good keeper, firm heads.	.40	1.30	3.90
Danish Ballhead. Penn State Strain (Short Stem). Best late variety, heads large, flat, solid; keeps until late spring. 105 days.....	.50	1.50	4.50
SAVOY and RED CABBAGE			
Chieftain. 85 days. Heads medium large; flat and firm. Crimped leaves.....	.50	1.50	4.50
Mammoth Rock Red. Best red variety..	.50	1.50	4.50

CHINESE CABBAGE

Chihili. 70 days. 20 in. tall. Sure heading when sown late July, maturing in Oct. Excellent for salads or cooking.....	.20	.70	2.00
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Vegetable Seeds for Florists (Continued)

1 oz. 4 ozs. 1 lb.

CARROT (1 oz. for 300-ft. row)

Sow as early as the ground can be worked and make successive plantings until Aug. 1st. Space rows 12 to 18".

***Amsterdam Forcing.** Roots reddish orange, 6 in., uniformly tapered. Best for forcing. About 2 weeks earlier than other varieties.

	\$0.35	\$1.20	\$3.60
Chantenay Red Cored. Tapering.....	.20	.60	1.80
Danvers Half Long. Tapering.....	.20	.60	1.80
Hutchinson. Latest and largest variety..	.20	.70	2.10
Morse's Bunching. (All America Award)..	.20	.60	1.80
Nantes Stump Rooted. Cylindrical.....	.20	.70	2.10
Oxheart or Guerande. Easy to pull.....	.20	.60	1.80
Supreme Half Long. Tapering.....	.20	.70	2.10

CELERIAC



Large, Smooth Prague. Turnip-rooted celery. Excellent winter keeper. 1/4 oz., 25c.....

.70 2.35 7.00

CELERY (About 8000 plants per oz.). Sow in Feb. or March for plant sales. Cover seeds lightly. Space 6x28". Days indicated are from date of planting.



Giant Pascal. 140 days. The standard late green celery. 1/2 oz., 40c.....

.70 2.35 7.00

Golden Plume, Select. 85 days. Desirable for home and market garden. 1/2 oz., 50c...

.90 3.00 9.00

Golden Yellow Self-Blanching. Dwarf. Standard market sort. 1/2 oz., 50c.....

.90 3.00 9.00

Summer Pascal. 110 days. Uniform thick rounded stalks. 1/2 oz., 40c.....

.70 2.35 7.00

Utah or Salt Lake. No. 99. 125 days. Mid-season, full-hearted and compact. 1/2 oz., 40c.....

.70 2.35 7.00

CHICORY

Witloof. "French Endive." Roots grown outdoors during summer are forced in successive crops during winter in any spare room. Roots are planted 2" apart covered with 8" of sand. Heads are ready to cut in about 6 weeks. Catch crop. Ideal for salads.

.50 1.70 5.00

CHIVES. "Grass-Onion". A perennial, quickly started from seed. Popular for flavoring and borders. 1/4 oz., 30c.....



.90 3.00 9.00

For Corn, see page 44.

CRESS. Curled or "Pepper Grass." Greenhouse catch crop. Ready in 40-60 days. Temp. 40-50°.....

.25 .80 2.40

CUCUMBER. (About 1000 seeds per oz.) 1 oz. for 80 hills or 50-ft. row. Distance between rows 3 to 6 ft.



A. & C. 68 days. 8 to 9 in. Deep green. Does well on light soil.....

.25 .85 2.50

Chicago Pickling. 6 in. 60 days.....

.25 .85 2.50

***Davis Perfect.** Fine slicing variety. 9-11 in. Good for greenhouse growing.....

.30 1.00 3.00

Imp. Long Green. Ideal slicer. 12 in.....

.30 1.00 3.00

***Longfellow.** 72 days. One of the main forcing varieties. 12 to 14 in. long.....

.35 1.20 3.50

National Pickling. 50 days. Considered best for small pickles.....

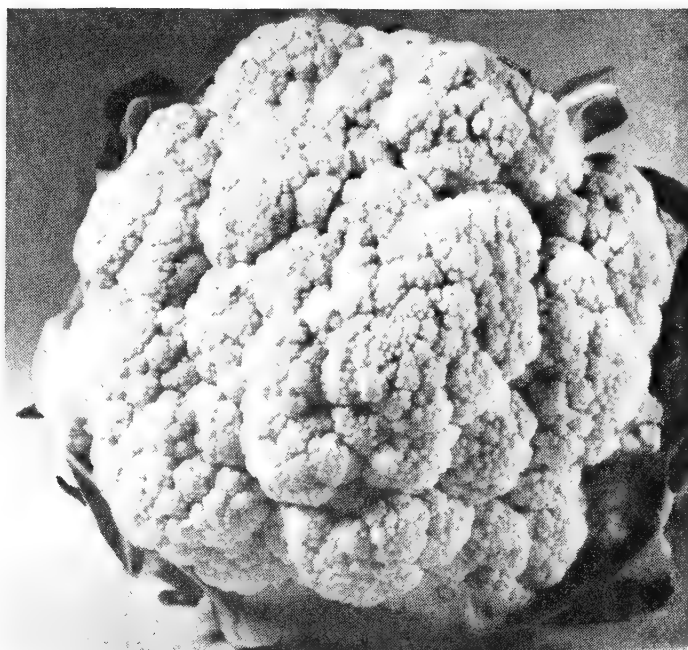
.25 .85 2.50

Small Gherkin. 2 in. long; very prolific...

.30 1.00 3.00

Straight 8. Deep green; ideal shipper.....

.30 1.00 3.00



Cauliflower—Snowball "A."

CAULIFLOWER (About 7000 seeds per oz.). The greatest care is taken to get the best obtainable strains from specialist growers. Sow in Feb. or March for plant sale. To handle plants in bands or pots is essential for unchecked growth and sure heading. Space 18x24 in. Days indicated are from date plants are set out.



Danish Giant Dry Weather. Select. 70 days.

Early Dwarf Erfurt. Select. 60 days.

***Early Snowball "A."** 55 days. Standard early. Fine for greenhouse forcing, frame or outdoor culture.

Snowball "X." 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white.


Snowdrift. 65 days. Larger than Snowball; firm and well protected by inner leaves. Good for distant shipping.

Prices on above five varieties, each: Tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.40; 4 oz., \$8.00; 1 lb., \$24.00.



It takes almost a year to produce these Cauliflower seed plants. Looks like a lot of seed but crops are often damaged by unfavorable weather.

Vegetable Seeds for Florists (Continued)

EGG PLANT. (About 6000 seeds per oz.)
 Sow in February/March for plant sales. Space plants 18x24 in.
Black Beauty. Popular market variety. Dark purple. Broad, egg-shaped. \$0.60 \$2.00 \$6.00

Fort Meyers Market. Oval fruits carried well above ground. Quite resistant to disease and excessive heat. 1/2 oz., 45c.80 2.70 8.00

ENDIVE. (1 oz. for 100-ft. row.) Sow in April or June/July for fall crop which may be stored for several months if taken up with soil before killing frost, packed closely and stored in basement.

Full Heart Batavian. "Escarolle."20 .60 2.00

Deep Heart Fringed. Upright growth.20 .60 2.00

POPULAR HERBS. Collection boxes of banded and assorted plants have proved a very popular spring seller. Of medical and high flavoring value as well as decorative appearance. Each packet will make at least 250 plants. Leaflet describing each variety with collection offer.

Anise—Basil—Borage—Coriander—Dill—Fennel—Sweet Marjoram—Sage—Savory—Thyme.
 Prices each above: Tr. pkt., 15c; 5 pkts., 60c. Collection one each of 10 varieties, \$1.00.

KALE. (About 7000 seeds per oz.)
Dwarf Green Curled. Very hardy.25 .75 2.40
Tall Green Curled Scotch. 30 in. tall.25 .75 2.40

KOHLRABI (About 7000 seeds per oz.)
***Early White Vienna.** Standard sort for forcing and home garden. Globe-shaped. . . .30 1.00 3.00
Early Purple Vienna.30 1.00 3.00

LEEK (About 9000 seeds per oz.) More delicately flavored than the mildest onion. Has a decided sweet flavor. Cooked and served like asparagus. For plant sale or sown directly. Stores well and stands a good deal of frost.

Monstrous Carentan. Stem 8 in. Best strain of this fine "Asparagus-type" of the onion family. 1/4 oz., 20c.60 2.00 6.00

LETTUCE. (15,000 seeds per oz., 1/4 oz. for 100-ft. row.) There is a premium on lettuce PLANTS as they are readily transplanted in bands and heading varieties will make large solid heads, if set out early, even before late frost is over. Sow March 15 or 4 weeks before setting out plants. Space 14x18 in.

FORCING VARIETIES

Approximate growing time 60-90 days. Temperature 50-60°. Transplant. Sow any time.

***Grand Rapids Forcing.** The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early. . . .25 .80 2.40

***Bibb Forcing.** Butterhead type of finest flavor and well adapted to greenhouse culture. Demands even temperature, more so than Grand Rapids.30 1.00 3.00

STANDARD VARIETIES

Big Boston. HEADING; used for spring and fall hot-bed and cold-frame culture. . . .20 .70 2.10

LETTUCE, continued

Black-Seeded Simpson. LOOSE-LEAVED. \$0.20 \$0.70 \$2.00

Great Lakes. New outstanding HEAD lettuce; slow to bolt. "All America" winner. . .50 1.70 5.10

Imperial No. 44. Sure HEADING variety. Highly recommended for plant sales. . .35 1.15 3.40

Looseleaf Prizehead. Leaves tinged red. . .20 .60 1.80

New York No. 12 or Wonderful. Early sure HEADING. Does well in mid-summer. .35 1.15 3.40

May King. Earliest of the Butterheads. Valuable for forcing outdoors or frames. . .20 .70 2.00

MUSKMELON (9000 seeds per oz.)

Honey-Dew. MILDEW-RESISTANT.20 .70 2.00

Honey Rock. NEW. 85 days. Flesh orange, sweet and of finest flavor. Good shipper.20 .70 2.00

Pride of Wisconsin. 86 days. Thick, orange-fleshed, popular.25 .75 2.20

Resistant No. 45 or Hale's Best. 90 days. Flesh thick salmon. Resistant to mildew.25 .75 2.20

Rocky Ford or Netted Gem. 90 days. Green fleshed. Oval 5 in. long.20 .70 2.00


WATERMELON

Harris Earliest. 80 days. Fruits oval. . .15 .55 1.60

Stone Mountain. 95 days. Fruits round. .15 .55 1.60

Wonder (Improved Kleckleys Sweet). . . .15 .55 1.60

ONION (About 8000 seeds per oz.)

 **Ebenezer.** Early flat straw-colored, mild-flavored; used for sets.35 1.20 3.60
Prizetaker. (Valencia.) Yellow, good keeper, flesh coarse and mild. 1/2 oz., 40c.70 2.30 6.90

Southport Red Globe. 110 days. Splendid keeper. Best red variety. 1/2 oz., 30c. .50 1.60 4.80

Riverside—Yellow Sweet Spanish. Globe-shaped, keeping extra well for soft type. Mid-season. 1/2 oz., 40c.70 2.30 6.90


White Portugal. Bulbs flat, firm, excellent keeper widely used for sets, bunching and pickling. 1/2 oz., 30c.55 1.90 5.70

Yellow Globe Danvers. Firm and hard; excellent keeper. 1/2 oz., 25c.40 1.30 3.90

Yellow Bermuda (White Bermuda). Standard early. Flat, straw colored. 1/2 oz., 40c. .70 2.30 6.90

Yellow Globe Brigham. Fine solid bulbs of high keeping quality. 1/2 oz., 25c.40 1.30 3.90

PARSLEY (1/4 oz. per 100-ft. row). Roots are transplanted from outside to 4 in. pots or ground bed in cool house, or sow directly, 8x8 in. Fine crop either for cutting or to sell in pots.

 ***Extra Tripled Curled.** 75 days. Closely curled, very compact and productive. . . .15 .50 1.50

***Paramount.** 90 days. The most dwarf and curled Parsley. Uniform dark green. .15 .50 1.50

PARSNIP (1/2 oz. per 100-ft. row). Sow early, space rows 18 in. Roots hardy.

Short, Thick. 100 days. Finest and earliest strain. Pulls easily, sweet delicate flavor. .15 .50 1.50

Smooth White. 130 days. Evenly tapered—whiter than "Hollow Crown".15 .50 1.50

For Peas, see page 44.

Greg Ball
INC.

SALESMAN

DATE _____

19

WHEN WANTED

TERMS

REC'D

OUT

CK.
M. O.

ST. OR
CUR.

C. O. D.

CHG.

SOURCE

INS.

**FIRM
NAME**

PLEASE USE SAME FIRM OR GREENHOUSE NAME ON ALL ORDERS TO AVOID CONFUSION ON OUR RECORDS.

STREET OR R. F. D.

Cash should accompany all orders unless credit has been established. **C. O. D. shipments 50% in advance.** Important. Make all checks or money orders payable to

**Geo. J. Ball, Inc.,
WEST Chicago, Ill.**

CITY AND STATE

Disclaimer: We, Geo. J. Ball, Inc., give no warranty, express or implied, as to the productiveness of any seeds, bulbs, or plants we send out and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seeds, bulbs, or plants.

Cash Discount

On seed orders only (except Cyclamen) when remittance is enclosed, a cash discount of 5% will be allowed on amounts up to \$25.00; over \$25.00, 8%. No cash discount on Plant Bands.

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SEE OVER FOR ADDITIONAL SPACE.

IF YOU NEED MORE ORDER BLANKS - CHECK HERE ☐

"All the best—nothing else"



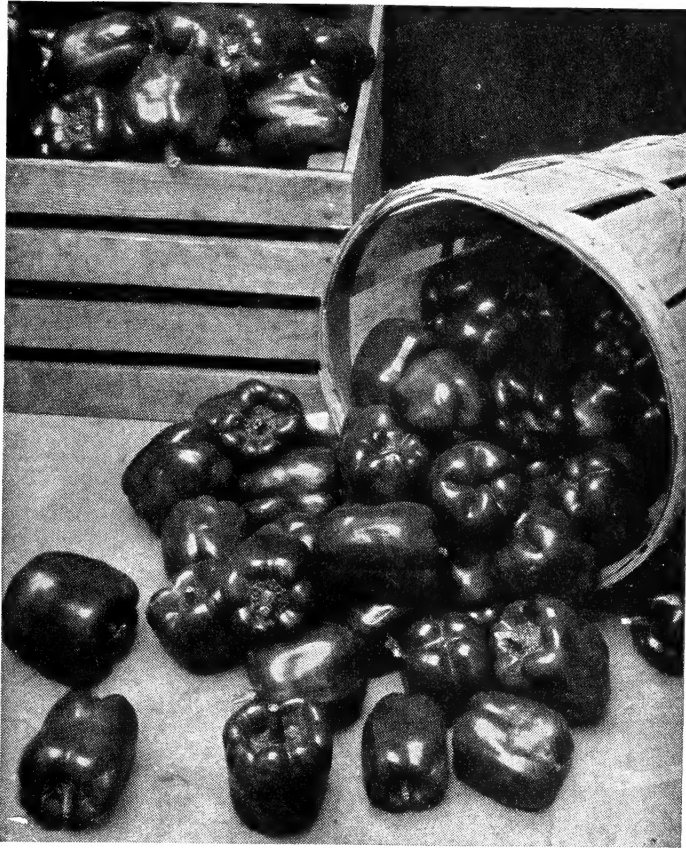
Geo. J. Ball
INC.

West Chicago,

FROM

Illinois

Vegetable Seeds for Florists (Continued)



Pepper, California Wonder.

PEPPER (About 3000 seeds per oz.) Sow 6 weeks before outdoor planting. Germinate seeds warm. Space plants 16x24 in. Days indicated are from date plants are set out.

1 oz. 4 ozs. 1 lb.

California Wonder Select. (Sweet) 72 days. Standard of excellence in Sweet Peppers. Extra thick walls. ½ oz., 40c.....	\$0.70	\$2.40	\$7.00
Chinese Giant. (Sweet) 80 days. The largest Sweet Pepper. ½ oz., 35c.....	.60	2.00	6.00
Harris' Early Giant. (Sweet) 63 days. Well-suited to northern states. ½ oz., 35c...	.65	2.20	6.50
Hungarian Yellow Wax. (Hot) Very early. Plants small, productive. ½ oz., 40c.	.75	2.50	7.50
Large Bell or Bull Nose. 65 days (Hot). Ribs pungent, otherwise mild. ½ oz., 40c...	.70	2.40	7.00
Long Red Cayenne. (Hot.) 70 days. For pickles, canning or drying. ½ oz., 35c....	.60	2.00	6.00
Oakview Wonder. (Sweet) 65 days. (Early California Wonder.) ½ oz., 40c.....	.75	2.50	7.50
Pimento. (Perfection) Sweet. 72 days. Fruits smooth, conical. ½ oz., 30c.....	.45	1.50	4.50
Red Chili. Numerous 2-2½ in. long fruits. Borne upright. Very pungent. ½ oz., 35c..	.65	2.20	6.50
Romanian. (Sweet) Yellow 4½x2½". Very productive and early. ½ oz., 55c....	1.00	3.30	9.90
Ruby King. (Sweet) 68 days. Very productive. ½ oz., 35c.....	.65	2.20	6.50
Sunnybrook. Sweet, tomato-shaped fruits. Turns scarlet red earlier than most other Peppers. 73 days. ½ oz., 35c.....	.60	2.00	6.00
Sweet Bull Nose. (Sweet Mountain.) Mild-fleshed. 65 days. ½ oz., 35c.....	.65	2.20	6.50
World Beater. (Sweet) 70 days. Large, oblong green, thick flesh. ½ oz., 35c.....	.60	2.00	6.00

PUMPKIN

Small Sugar Pie. Early orange.....	.15	.50	1.50
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1 oz. 4 ozs. 1 lb.

RADISH (1 oz. for 100-ft. row)

*Cavalier. Short topped brilliant deep scarlet color. Choice for forcing. 10 lbs., \$12.60.....	\$0.15	\$0.45	\$1.40
Crimson Giant. 30 days. Remains crisp.	.15	.40	1.20
*Early Scarlet Globe. (Short Top). Our strain of this very early forcing variety is a superior one. 23 days. An ideal florists' "catch crop." 10 lbs., \$12.60.....	.15	.45	1.40
French Breakfast. 25 days. Oblong roots, scarlet, white tipped. Forcing and market..	.15	.40	1.20
*Icele. (Short Top.) 27 days. Best white for outdoors and forcing. 10 lbs., \$10.80....	.15	.40	1.20
Scarlet Turnip. White tip. Popular variety.....	.15	.40	1.20

RUTABAGA

American Purple Top15	.30	.80
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SPINACH (1 oz. for 100-ft. row)

Giant Thick Leaved. NOBEL. 45 days.	.15	.30	.80
King of Denmark. 48 days.....	.15	.30	.80
Savoy-Leaved or Bloomsdale. 40 days...	.15	.30	.80
*New Zealand. TETRAGONIA. Picked thruout the summer. Suitable for greenhouse forcing. Temp. 50-60°.....	.15	.40	1.20

SQUASH (1 oz., about 380 seeds.)

Acorn. 60 days. Winter squash.....	.20	.65	1.90
Buttercup. 100 days. Winter squash....	.20	.75	2.20
Butternut. 100 days. Winter squash....	.40	1.25	3.75
Early Prolific Straightneck. 50 days. Summer squash. Edible when 4 to 14 in. ...	.15	.50	1.50
Hubbard. True. Green winter Squash...	.20	.65	2.00

SWISS CHARD. (1 oz. for 100-ft. row)

*Lucullus. Deep green crumpled leaves. For forcing sow directly or transplant field-grown roots. Cool house temp. Pick leaves.	.15	.50	1.50
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TOMATO (About 7000 seeds per oz.)



We offer a list of the highest quality tomato seeds from specialist growers. Sow seeds 6 to 8 weeks before plants are set out. Days indicated are from date plants are set out.

SPECIAL FORCING VARIETIES

***Waltham Forcing.** The ideal forcing Tomato. Our greenhouse grown seeds from selected plants. Even sized, 4 oz. scarlet fruits, firm, good shippers and do not crack. Plants take little room, may be grown in old buckets. Flowers self-pollinating. Early and heavy yielder. This variety also fine for outdoor trellis. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.

***Michigan State Forcing.** Wilt Resistant. Distinct greenhouse Tomato developed at Michigan State College. Rich, deep scarlet fruits, average 5-6 oz., globular, in large clusters. Highly self-pollinating but responds well to daily tapping of flowering clusters. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

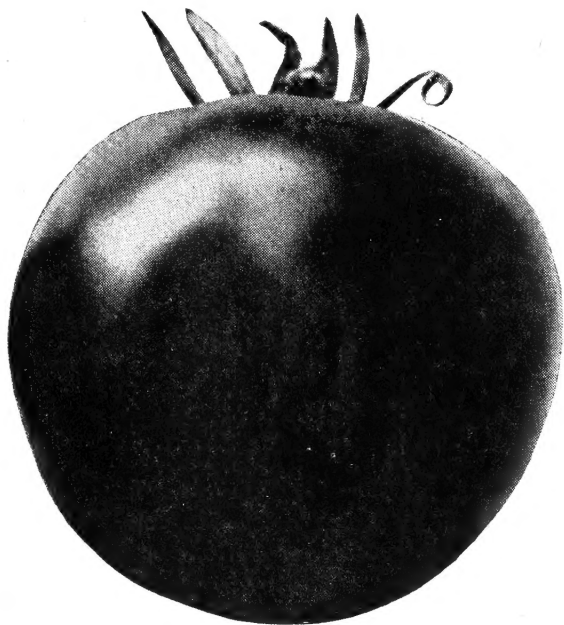
Globe "A." Pink fruits, a little larger than regular Globe. Developed by Ohio State Experiment Station. Ships well. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.

Marhio or Marvelous. Pink fruited, wilt resistant and almost free from cracks. Vigorous grower requiring high temperature and particularly fine for fall forcing. Extra select stock. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.

Vegetable Seeds for Florists (Continued)

TOMATO, continued

	1 oz.	4 ozs.	1 lb.
STANDARD VARIETIES			
*Bonny Best. Unexcelled for all purposes. Smooth and firm. 73 days.....	\$0.60	\$2.00	\$5.90
Break-O'Day. Early WILT-RESISTANT, globe shaped. Heavy producer, flesh firm...	.60	2.00	6.00
Chalk's Early Jewel. 75 days. Heavy producer, scarlet-red, smooth and firm.....	.55	1.85	5.00
Crimson Cushion or Beefsteak. Large, flat, bright scarlet; solid, very prolific.....	.80	2.70	8.00
Dwarf Champion. Tree-like. Requires no support; medium size, solid pink fruit..	.70	2.35	7.00
Dwarf Stone. 81 days. Strictly dwarf, tree-like, fruits bright red, smooth and solid....	.60	2.00	6.00
Earliana. Medium size, deep scarlet, firm and smooth. 64 days. Fine early variety..	.70	2.35	7.00
Early Detroit. Valuable for shipping. Pink, medium large, smooth fruit. 78 days..	.60	2.00	6.00
Firesteel. 70 days. Deep red, sure setting. Best under drouth conditions.....	.70	2.35	7.00
Globe. (LIVINGSTON'S) Heavy producer. Large purplish pink fruit; smooth and solid.....	.60	2.00	6.00
Golden Queen. 83 days. Large yellow fruited; firm and smooth, mild flavor.....	.70	2.35	7.00



Tomato
Master
Marglobe
Certified

TOMATO, continued

	1 oz.	4 ozs.	1 lb.
Greater Baltimore. Mid-season. Earlier than Stone, heavy producer, deep scarlet...	\$0.50	\$1.70	\$5.00
Gulf State Market. Very fine second early, crimson, medium size, very solid....	.60	2.00	6.00
Italian Canner. Red plum shaped. Valuable for canning whole, paste and dehydration. 1/2 oz., 50c.....	.90	3.00	9.00
John Baer, Certified. Standard all-purpose variety, second early, medium size, red	.60	2.00	6.20
June Pink. Earliest pink, early shipper...	.65	2.20	6.50
Jubilee. Orange. Bronze medal in All-America trials. Non-acid, meaty. 1/2 oz., 50c.....	.90	3.00	
*Master Marglobe, Certified. Valuable for shipping and HIGHLY RESISTANT. 75 days. Extra select stock. 1/2 oz., 45c...	.80	2.70	8.00
Marglobe. Regular Stock.....	.60	2.00	6.00
Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. 1/2 oz., 60c...	1.10	3.70	11.00
Penn State Earliana. Extra early, red, large, smooth, mild and solid.....	.75	2.50	7.50
Ponderosa. Extremely large; purplish pink, few seeds, mild flavor, 85 days.....	.85	2.85	8.50
Pritchard. (Scarlet Topper.) Fine all-round variety, heavy yielder; second early; WILT-RESISTANT.....	.65	2.20	6.50
Rutgers, Certified. Red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil...	.65	2.20	6.50
Stokesdale, Certified. 75 days. Red, globular; fine canning variety.....	.65	2.20	6.50
Stone. 85 days. Valuable for market and canning; heavy producer; deep scarlet....	.65	2.20	6.50
Valiant. 70 days. Globe shaped; large, smooth red fruits.....	.90	3.00	9.00
Victor. 65 days. Extra early. Fruits scarlet. Determinate vine, takes little room. 1/2 oz., 50c.....	.95	3.25	9.50
Red Cherry } Small fruited, for pickles, } Yellow Plum } salads or preserves } Yellow Pear } Yellow Husk or Ground Cherry }	.75	2.50	
TURNIP. Purple-Top, White Globe.....	.15	.30	.80

Catalog No. 54—January 1947—Business Terms

Note—Cash Discount! Prices quoted on Cyclamen seed and Plant Bands are net, no cash discount. Plant and Bulb prices are net unless quoted differently in special catalogs or lists. Otherwise, when cash is enclosed, a discount of 5% is allowed on all orders from \$1.00 to \$25.00. On \$25.00 and over, 8% is allowed.

Cash should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance. **Important** Make all checks or money orders payable to **Geo. J. Ball Inc., WEST Chicago, Illinois.**

Note. Our seed sold only in our printed packets or containers. Order from us only or through our regular agents.

All Prices in this catalog **subject to change without notice.**

All Seed Orders sent prepaid in U. S. and Canada at catalog prices.

Our address is **WEST Chicago, Illinois** on Highways U. S. 330 or Illinois 64—and on Chicago and Northwestern Ry. You are always welcome here.

Half Trade Packets supplied only where so listed.

Our Business is with Florists only. We do not sell at retail.

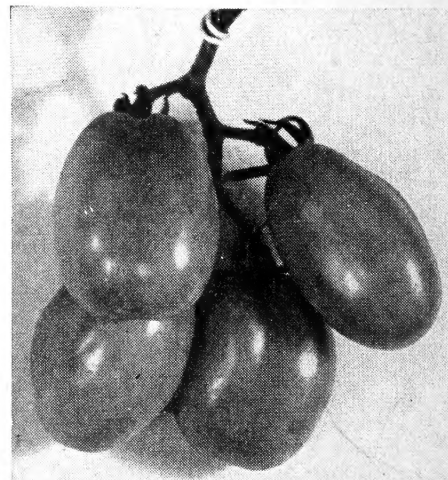
Shortages—All items in this catalog are offered subject to crop failures or shortages.

We Use Every Precaution to supply seeds of highest quality only and promptly refund price paid for same if unsatisfactory with reasonable care.

All seeds sold under Seedman's disclaimer as follows: We, Geo. J. Ball, Inc., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seeds, bulbs or plants.

ITALIAN CANNER

An excellent Tomato for canning whole, Tomato paste and dehydration.



"All the Best"

in PLANTS AND BULBS

from
**The Country's
Finest Growers**

Whether your needs call for rooted cuttings—young stock for growing on—dormant plants—or bulbs, either domestic or foreign, our enviable position in the flower seed world has enabled us to engage sources of supply unexcelled anywhere.

If you are interested in quality stock and the kind of service that believes a satisfied customer is the finest sort of advertisement, we invite your business.

Send us a list of your requirements for the coming season.

Plant Department

GEO. J. BALL, INC.

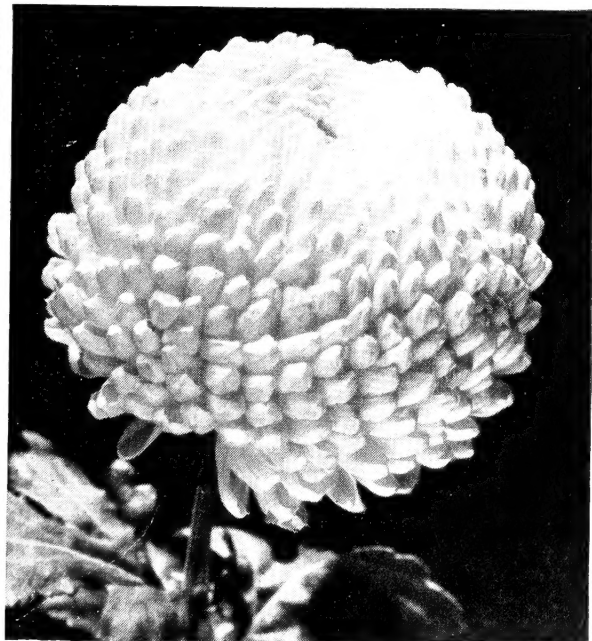
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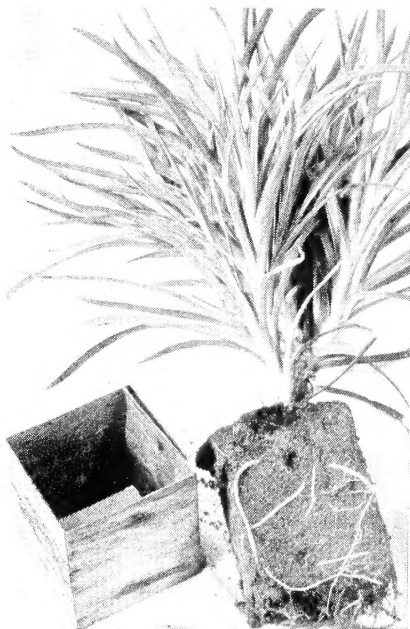
Cyclamen



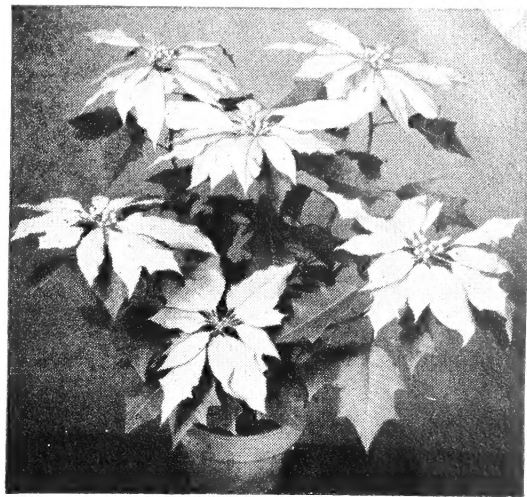
Hyacinths



Chrysanthemums



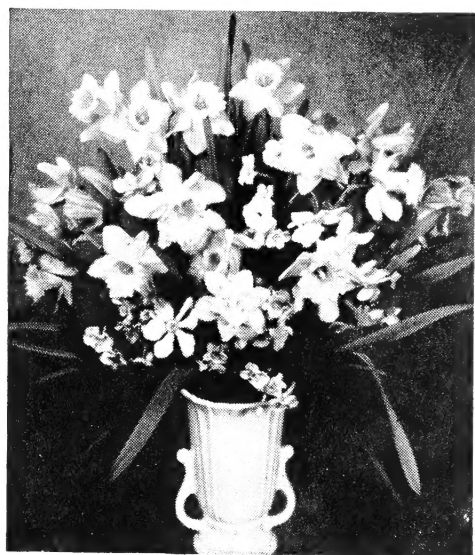
Carnations



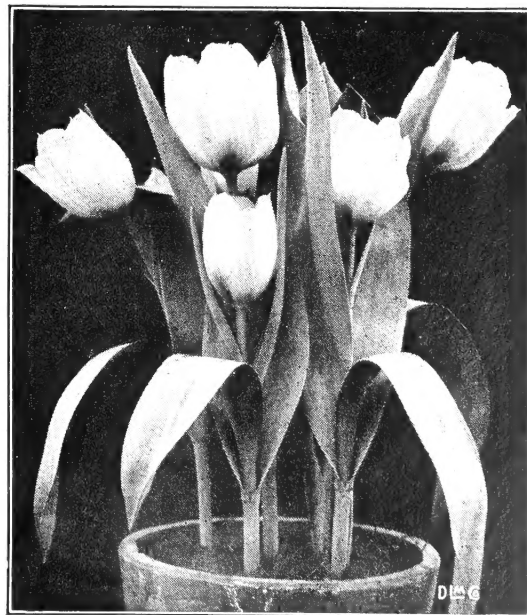
Poinsettias



Hydrangeas



Daffodils



Tulips



Petunia Ball Dwarf Giant No. 1

The choicest Dwarf Giant strain available. Most attractive, flowered as a 3-4 in. pot plant. Sow early, grow cool, and don't overwater, are the prime cultural points.

FLOWER SEEDS FOR FLORISTS

Geo. J. Ball
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WEST CHICAGO
ILLINOIS